Zebra 2844-Z™

Product Guide

Zebra Technologies International, LLC
333 Corporate Woods Parkway
Vernon Hills, IL-60061-3109, USA
Tel. +1 847 634 6700
Fax. +1 847 913 8766
www.zebra.com

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About Zebra Technologies

Zebra Technologies (Nasdaq: ZBRA) delivers innovative and reliable on-demand printing solutions to businesses and governments in 90 countries around the world; more than 90% of Fortune 500 companies use Zebra-brand printers. A broad range of applications benefit from Zebra®-brand thermal bar code label and receipt printers and Eltron®-brand card printers, resulting in enhanced security, increased productivity, improved quality, lower costs, and better customer service. The company, with an installed base of more than two million printers, also offers software, connectivity solutions, and printing supplies. Information about Zebra bar code products can be found at www.zebra.com The company's Web site for thermal printing supplies is www.zipzebra.com

Key market sectors include:

Manufacturing, warehousing, shipping and parcel delivery, distribution, logistics, automotive, healthcare and retail.

Introduction

An exciting new addition to the Zebra Desktop Series, the dynamic **2844-Z™** features a powerful combination of proven Zebra attributes. Successfully uniting the dual-walled, OpenACCESS™ hardware platform with the advanced ZPL®-based electronics architecture, the 2844-Z 4-inch wide printer is the most versatile Zebra desktop offering yet.

Product Positioning

The 2844-Z offers the **best in-class integration** capabilities of any desktop thermal label printer in the industry. Like the EPL™ version of the 2844, the new ZPL based model comes standard with triple communications interfaces - serial, parallel & USB. Additionally an optional internal ZebraNet® PrintServer II interface is available, providing quick and easy integration into Ethernet networks. When equipped with a ZebraNet PrintServer II, the printer brings the benefits of advanced network management such as remote printer control and detailed printer status alerts.

Expect **unprecedented desktop performance** from the 2844-Z – with an entirely new electronics architecture, featuring at its core, a new 32-bit microprocessor, the 2844-Z delivers tremendous throughput, entirely superior to other desktop printer offerings.

Proven Desktop Design rounds out this first-rate desktop label printer. The 2844-Z features sturdy dual walled construction and Zebra's practical OpenACCESS™ design for easy media loading.

US List Price: LP 2844-Z $695
TLP 2844-Z $795

Unique Selling Points

- **Superior Processing**
  Powered by the same class of microprocessor as Zebra's mighty *Xi*IIIPlus™ Series, the 2844-Z is a desktop printer with great horsepower. Delivering swift throughput for fast and efficient printing of complex label formats, the 2844-Z can boost application productivity with ease.

- **Best Integration: Flexible Connectivity and Advanced Networking Capability**
  Designed with easy application integration in mind, the 2844-Z offers versatile connectivity choices, and comes with a standard triple interface - serial, parallel and USB.

  Standard USB Port
  USB (Universal Serial Bus) is the latest standard in peripheral interfaces – Most new PC's are being manufactured with USB ports. USB makes adding peripheral devices very simple and the 'one plug fits all' connection adds many features and benefits to the 2844-Z:

USB Features	Function	Benefits
Daisy Chaining	Provides the ability to connect multiple printers to the same PC via the PC USB ports or via a USB hub	Run multiple print jobs off one PC, and/or connect multiple peripherals from a single port
"Hot-swapping"	Add a printer without shutting down the PC	Without having to shutdown and reboot, no time or documents are lost, HOT plug n play
Standardized Plug and Port	One standardized port for any peripheral device with its own unique shape. Standard cable with unique shaped connector.	Quick and easy installations. No add-in cards to install or dip switches to configure, just plug in and run
USB connectivity available on a wide range of peripherals	Use USB hubs to establish the number of ports you need and plug all your peripheral devices via USB. No additional I/O cards to configure.	User does not need to be with the printer to detect an error. This is especially important for Daisy Chaining: know which printer may be down without having to check each individually.

The Power of ZebraLink

Additionally, the optional internal ZebraNet PrintServer II interface is available for the 2844-Z, providing quick and easy integration into Ethernet network environments. Notably, because this option is internal to the printer, with the Ethernet port on the back panel, there is no external Ethernet device taking up space; this eliminates a potential point-of-failure and preserves the small desktop footprint of the 2844-Z.
When combined with the power of **ZebraLink**, this printer is an excellent network printer, with the benefit of the remote printer control and management tools provided with ZebraNet software utilities.

ZebraNet View software searches the network to identify online Zebra printers, including devices that have not been configured. Configuring the new printers to the network is easy using the point and click Graphical User Interface of ZebraNet View. *ZebraNet Alert* utility monitors the status of Zebra networked printers, and reports back error conditions. A wide range of printer status and error conditions can be communicated by the 2844-Z and sent back to a remote network manager. Further, a remote network manager can access the ZebraLink webpage within the 2844-Z, and execute printer control changes such as altering a darkness setting, or updating the contents of a label format stored in the printer's memory.

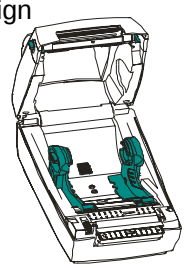
- **Practical Design – Simple to use and durable**

The Zebra 2800 Series share common practical design features to ensure that the printers are very simple to load and operate. The OpenACCESS design facilitates label loading and maintenance. Access to media is maximized as the print head is located out of the way in the top lid – the ribbon mechanism on the thermal transfer model is also built into the top lid. Lockable self-centering media guides snap the media securely in place, simplifying loading and preventing label jams. Color-coded components indicate which parts to use for printer loading and operation.

Dual wall construction 'ruggedizes' the 2844-Z printers making them sturdy and dependable. This tough casing protects the inner mechanisms and media from dirt, dust and damage, reducing downtime and improving efficiency.

Features and Benefits of the 2844-Z

FEATURE	FUNCTION	END-USER ADVANTAGE	CHANNEL BENEFIT
SUPERIOR PROCESSING			
New 32-bit Processor	Provides horsepower for fast throughput.	Enhanced productivity:- the 2844-Z can process complex label formats fast. Enables printer to keep up with fast data protocols.	Best performance in a desktop – same processor as the *Xi*III Plus. Adds muscle to a desktop printer and allows greater degree of flexibility with application integration.
4 ips print speed	Print speed programmable at 2,3 and 4 inches per second.	Print speed can be selected to best suit the application requirements for print quality, media handling and throughput.	Printer is versatile and can be sold into a variety of applications.
VERSATILE CONNECTIVITY			
Standard Triple Communications Interfaces	The 2844-Z is equipped standard with serial (RS232-DB9), parallel and USB interfaces.	Easy integration existing local or networked systems. New PCs are now manufactured with USB ports as standard –as new technologies are developed, USB is the interface of choice. The 2844-Z will not need to be replaced if new PCs are introduced to existing systems.	Triple interface reduces complex ordering procedures with different interface configuration part numbers. No need to hold inventory of printers with various communication interfaces. Increased selling opportunities with drop-in integration to existing systems.
Internal ZebraNet PrintServer II Option.	Provides fast and easy integration into Ethernet network environments. Supports TCP/IP and SPX/IPX protocols and can print from AS/400 via TCP/IP. Supports DCHP dynamic IP address assignment. A web-enabled solution.	Easy to connect to Ethernet networks. The simple to use printserver is internal to the printer, with the Ethernet port on the back panel – no external device to take up valuable space and potentially get knocked and causing communication failure. The 2844-Z is ZebraLink enabled,	For applications that require remote management or network printing, the 2844-Z offers the internal Ethernet capability as part of the printer ordering options.

FEATURE	FUNCTION	END-USER ADVANTAGE	CHANNEL BENEFIT
		providing benefits of remote printer control and management tools provided with ZebraNet software utilities.	
ADVANCED NETWORKING			
ZebraLink Connectivity and control	Enables remote monitoring and control of any 2844-Z connected to an Ethernet network via ZebraNet PrintServer II. ZebraNet View & ZebraNet Alert software tools…	Advanced yet easy to use management of printers on an Ethernet network. Change and manage printer settings and configuration with ZebraNet View Receive printer status notifications in real time via pager, email or cell phone with ZebraNet Alert.	Advanced networking tool is standard with these printers (with optional ZebraNet PrintServer II) versus a payable option on competitive printers. Offers convenience and control to network administrators – freedom to program and monitor networked printers from anywhere in the world.
EASE OF USE			
OpenACCESS™ Design 	Label loading is greatly simplified. Access to the media compartment is maximized as the printhead is built into the top lid. Lockable self-centering media guides snap the media securely into place, simplifying loading and preventing label jams..	Label rolls are loaded easily and can be aligned accurately ensuring quality printing for every print run. Maintenance and cleaning are facilitated.	Easy-to-operate printer reduces training and support requirements. Very few components mean less servicing and fewer spare parts.
Easy to load ribbon on thermal transfer (TLP) 2844-Z	The TLP 2844-Z ribbon mechanism is located in the top lid, allowing for easy ribbon threading. Ribbon sensing detects both ribbon out and ribbon broken conditions	No time wasted trying to thread ribbon in awkward spaces. Downtime reduced thanks to easy to use design and useful ribbon sensing.	Easy-to-operate printer reduces training and support requirements.
Color Coded Components	Moveable parts and access points are color-coded, including FEED key, latches and label guides.	Simplifies printer operation.	Reduces training requirements and using the printer is simplified.
Clear Media Cover	Clear window in the top cover allows media usage to be monitored.	Downtime is kept to a minimum as media status can be monitored	Printer design improves efficiency.

FEATURE	FUNCTION	END-USER ADVANTAGE	CHANNEL BENEFIT
ROBUST CONSTRUCTION			
Double-Wall Casing	With double-wall ABS enclosure construction, the 2844-Z is sturdy and rugged for its size. The printhead, printer mechanisms and media are protected from dust, dirt and damage.	Long lasting enclosure reduces printer downtime. Reliability is improved, reducing need for repairs. Lower cost of ownership.	This printer has a far more solid feel than similar products on the market. Compact, yet sturdy, the 2844-Z can be sold into a wider variety of operating environments.
APPLICATION FLEXIBILITY			
ZPL II	The 2844-Z is equipped with ZPL II Zebra's printer control and command language	Provides powerful label design and formatting commands for the 2844-Z – provides control of printer settings such as darkness or pint mode. Compatibility with existing applications written for Zebra printers	Easy to use programming language provides application flexibility where needed.
Scalable fonts **scalable**	The 2844-Z supports scalable fonts, including any True-Type® font	Scalable fonts promote improved print quality and added support for corporate image standards.	Superior print quality for increased customer satisfaction. Ability to reproduce specific label designs required in today's high-tech markets.
Font Sets	Western fonts standard Asian Font sets optional. (See price page for more details)	Printer supports global labeling requirements. The standard model incorporates all European character sets, no need to upgrade. Optional Asian character support is available for local or special applications.	No special memory options and additional support required for the 2844-Z. Global markets are supported and competitive advantage is increased.
Flash Memory	4MB Flash memory standard (2.75MB available to user)	Firmware, forms, fonts and graphics are permanently stored in the printer and can be easily downloaded from a PC.	4MB (2.75 available to user)flash memory gives competitive value and performance

FEATURE	FUNCTION	END-USER ADVANTAGE	CHANNEL BENEFIT
SDRAM	8MB SDRAM (4MB available to user) standard is dedicated to image processing, enabling the 2844-Z to print longer label lengths (39")	Increased SDRAM allows more image buffer availability for longer label formats. Printer can be configured to match exact application requirements.	Memory options increase competitive advantage and performance in more demanding applications.
Zebra E^3 heat history control	Zebra's energy control system provides high quality printing over a range of speeds and materials.	Satisfies customer print quality requirements for bar codes, text and graphics with dependable scanning results.	Can confidently sell Zebra's reliable print quality over a range of print applications.
MEDIA HANDLING			
Media Types	The 2844-Z supports a variety of different media types including paper, tags, liner-free, die-cut and fanfold) The printer has gap, notch and black-mark sensing capabilities as well as media out. Additional functions such as media cutting, label dispensing, liner-free print (LP only) and liner and/or label rewind are available as options.	Versatile media choices for specific application needs. Increased productivity and convenience. Use Genuine Zebra supplies for optimum performance in any application.	Supporting a wide variety of media makes this printer ideal for a variety of applications.
Off-Center Gap/Black Line Sensor	The 2844-Z features a dual sensor system with both reflective and transmissive sensors. The off-center location of the sensor enables it to sense 2-across label media, unlike its predecessors.	Two-across type label media can be used on the 2844-Z. The user does not have to adjust the printer's sensor to switch between different kinds of labels.	By using a wider variety of labels, this printer can be used in a large number of applications.

2844-Z Specifications

Standard Features

- 203 dpi print resolution (8 dots/mm)
- Direct and Thermal transfer printing of bar codes, text, and graphics
- OpenACCESS design for easy media loading
- ABS double walled casing
- Fully enclosed 5.0" (127mm) media compartment
- ZPL® or ZPL II® programming language, software selectable
- 32 bit RISC processor
- 8MB Standard SDRAM Memory (4MB available to user)
- 4MB Standard Flash Memory (2.75 MB available to user)
- Standard (Level 1) E^3 Dot History Control
- Bi-directional Centronics® parallel (36 Pin) Communication port
- Auto-Calibration
- Scalable fonts
- Auto-switching 120V and 240V power supply
- 2D Symbologies
- Transmissive and reflective media sensing
- Programmable print speeds of 2 ,3 and 4 inches/second (ips)
- Standard Tear-off mode feature

Optional Features

- **8MB Flash Memory w/ Real Time Clock**: for applications requiring additional levels of memory and time and date information for applications that require date or freshness coding.
- **Label Dispenser –** Label peel and present with label taken sensor.
- **Internal or External ZebraNet™ Print Server II –** enables Ethernet 10Base-T network print capability.

ZebraLink Solutions

Software

ZebraDesigner Pro – An intuitive, easy-to-use software program for creating complex label designs.
ZebraDesigner – Offers basic features for simple label design
ZebraNet Bridge Enterprise – Centrally manage Zebra printers from a single PC screen anywhere on your global network.
ZebraNet Utilities v 7.0 – Provides enhanced printing, conversion, and administration capabilities; message management; and more.
Zebra Universal Driver – The most powerful driver available from Zebra

Networking Options

ZebraNet PrintServer II (internal or external)

Firmware

ZPL II – Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with existing systems that run Zebra printers.
Web View –Connect and control Zebra bar code printers via the printer's Web interface using a common Web browser.
Alert – Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

Printing Specifications

- Barcode modulus "X" dimension: 203 dpi = 5 mil to 50 mil
- Resolution: 203 dots/inch (dpi) (8 dots/mm)
- Dot Pitch: 0.0049" (0.125mm)
- Maximum print length: 39" (990mm) w/Std memory
- Minimum print length: 0.005" (0.125mm – one dot)
- Maximum print width: 4.09" (104mm)
- Minimum print width: 0.005" (0.125mm – one dot)
- Programmable print speed: 2,3 and 4 ips (51,76 and 102mm/s)

Ribbon Specifications

NOTE: For optimum print quality and printer performance, use of Zebra genuine ribbon is recommended as well as a notched ribbon core.

- Ribbon Width: 1.30 inches (33 mm) to 4.30 inches (110 mm).
- Ribbon Capacity: The capacity of the ribbon roll is to be sufficient enough to completely print one roll of media. (1 roll of 5"OD media is the full ribbon capacity)
- Core ID: 0.5" (13 mm).
- Ribbon OD: 1.36"(35 mm).
- Ribbon Length: 244' (74m) using 0.000328" ribbon thickness
- Ribbon Type: Wax, wax/resin and resin.

Media Specifications

NOTE: For optimum print quality and printer performance, use of Zebra genuine supplies is recommended.

- Media Width - 1.00" (25.4mm) – 4.25" (108mm)
- Label Length:
  Minimum - 0.38" (9.7mm)
  Minimum with label taken sensor used - 0.50" (12.7mm)
  Maximum with standard memory - 39" (990mm)
- Core Inner Diameter: 1.00" (25.4mm), 1.5" (38mm)
- Max Roll Diameter: 5.00" (127mm)
- Media Thickness: 0.003" (0.08mm) - 0.0075" (0.19mm)
- Media Sensing: gap, black line, notch
- Media Types - Roll-fed or fan-fold, die cut or continuous direct thermal labels with or without black mark, tag stock

Calibration Procedure

- The 2844-Z is equipped with a standard auto-calibration feature that initiates automatically during start-up of the printer - utilizing two to four labels to calibrate for efficient operation and less waste. The printer will also save the new settings in memory until the next calibration is performed.
- A manual calibration procedure can also be performed, if required. Consult your User's Guide for more details on the specific manual calibration steps.

Font Specifications 203 dpi (8 dots/mm)

Fonts	Matrix (in dots) (H x W)	Type†	Minimum Char. Size (H x W)	Maximum C.P.I.
A	9 x 5	U-L-D	.044" x .030"	33.3
B	11 x 7	U	.054" x .044"	22.7
C,D	18 x 10	U-L-D	.089" x .059"	16.9
E	28 x 15	OCR-B	.138" x .098"	10.2
F	26 x 13	U-L-D	.128" x .079"	12.7
G	60 x 40	U-L-D	.295" x .236"	4.2
H	21 x 13	OCR-A	.103" x .093"	10.8
GS	24 x 24	SYMBOL	.118" x .118"	8.5
P-V		U-L-D	Backward compatible w/ S-300	

Ø	15 x 12	U-L-D	Scalable (Smooth) Font

- Character Fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H, (OCR-A), GS, P, Q, R, S, T, U, V & Ø Smooth font (CG Triumvirate™ Bold Condensed).
- Character Sets: IBM® Code Page 850 International characters & graphic symbols
- Supports user defined fonts and graphics – including custom logos
- Bitmap fonts are expandable up to 10 times, height and width independent. Fonts E and H (OCR-B and OCR-A), however, are not considered in spec when expanded.
- Smooth scalable font Ø (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height and width independent, while maintaining edges to a max. 1500 x 1500 dots.
- IBM® Code Page 850 International Characters available in fonts A,B,D,E,F,G and Ø through software control.

Bar Code Symbologies & Specifications

- Bar code ratios: 2:1 (non-rotated) and 3:1
- Linear bar codes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- 2-dimensional bar codes: PDF417, MicroPDF-417, Code 49, Maxicode, Codablock, Datamatrix, and QR code.

Zebra Programming Language (ZPL/ ZPL II)

- Communicates in printable ASCII characters
- Compatible with mainframe, mini, and PC hosts
- Downloadable objects include graphics and bitmap fonts, label templates and formats
- Automatic memory allocation for format while printing
- Automatic serialization of fields
- Format inversion (white on black)
- Mirror-image printing
- Four position field rotation (0º, 90º, 180º, 270º)
- Slew command
- Programmable label quantities with print, pause
- Status messages to host upon request

Communications Specifications

- Centronics® Parallel (36 Pin) connector ports
- USB v1.1
- RS232 Serial
- Internal ZebraNet PrintServer II (optional)

Electrical Specifications

- Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz

Agency approvals

*Emissions***:** FCC Part 15, Subpart B, VCCI, C-Tick
Emissions and Susceptibility: (CE): EN55022 Class-B, EN61000-3-2, EN61000-3-3 and EN55024
Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, UL 60950 and C-UL, IRAM, NOM, AAMI

Physical Specifications (*no options installed*)

	LP 2844	TLP 2844
Height	6.7"	6.8"
Width:	7.9"	7.9"
Depth:	8.38"	9.75
Weight:	3lbs (1.3kg)	3.2lbs (1.4kg)

Environmental Specifications

- Operating Temperature: 40º to 105ºF (5º to 41ºC)

- Storage Temperature: -40º to 140ºF (-40º to 60ºC)
- Operating Humidity: 10% to 90% non-condensing R.H.
- Storage Humidity: 5% to 95% non-condensing R.H.

Preventative Maintenance

- Zebra recommends cleaning the printer on a regular basis using standard Zebra printer parts and cleaning supplies. Consult your *User's Guide* for further details.

Target Markets and Applications

Logistics and Supply Chain Management

Area	Application
Parcel Delivery Postal delivery Public Transportation	Shipping/receiving labeling Tracking Ticketing Receipt Printing Baggage ID

Application Focus

Shipping Labels: A large parcel delivery company using non-Zebra competitive printers to print shipping labels wanted to install new printers as their current printer base was ageing and becoming increasingly expensive to support and service. Although they were willing to evaluate multiple brands of printers, the customer wanted to retain their investment in software application and label formats. Another competitive printer was evaluated but was deemed too slow. The 2844-Z was presented and was found to meet the application requirements. The new 32 bit processor provides excellent throughput even when burdened with processing a complex script to convert a datastream with competitive programming commands into ZPL.

The customer was impressed and will be buying 2844-Z printers to replace the current printer throughout their business. They also liked the OpenACCESS design, ease of use features and the rugged dual-wall construction.

2844-Z Advantage

- ✓ Custom script decodes legacy software
- ✓ High throughput - new ZPL architecture
- ✓ Small footprint printer takes up little space in crowded shipping area, can be shelf- mounted above shipping desk
- ✓ Durable - ideal for rough shipping docks

Healthcare

Area	Application
Hospitals and Clinics	Patient ID
Outpatient and day surgery centers	Patient progress and treatment history
	Specimen labeling and tracking
Laboratories	Pharmaceutical labels
Pharmacies	Prescriptions
	Specimen labeling
Dentistry	Teeth mold labeling
Back Office	Document management

Application Focus

Patient information management: Hospitals use the 2844-Z to manage a variety of patient data labeling & tracking requirements. When a patient is admitted to hospital, a 3"x1" barcode label is printed on the 2844-Z and applied to a wristband. The patient can be tracked effectively during his stay; the wristband is scanned when treatments, procedures and medications are administered. Barcoded wristbands are important in maternity units, to match mothers and newborns. 2844-Z printers are also used at nurses' stations, clinics and laboratories to fulfill barcode labeling needs such as for vial tubes, travelers & specimens.

The 2844-Z brings a number of critical benefits to the healthcare industry, notably the ability to be networked (via the internal ZebraNet PrintServer II) and remote administered using ZebraLink. Additionally, the compact size and footprint is vital as space is limited in hospital & lab environments. Desktop printers offer the cost effective 'multiple printers, multiple locations' advantage, meaning that they can be placed in many different areas of a hospital, exactly at the point of use.

2844-Z Advantage

- ✓ Ethernet connectivity with internal ZebraNet PrintServer II allows integration with the hospital network.
- ✓ ZebraLink remote management allows printers to be controlled and monitored from a central location – not necessarily onsite.
- ✓ Compact footprint is vital for saving space in cramped areas such as nurses' stations and admissions desks.
- ✓ Desktop printer offers value for money and the right print volume to printer size ratio – a mid-range would be too big and a waste of space. Can be placed in many locations throughout the hospital.
- ✓ Easy to load and use means that very little printer training is required of medical personnel
- ✓ Very low maintenance requirements.

Retail

Area	Application
Stores & Outlets	Coupon Printing
Superstores	Item/Price Marking
Suppliers	Shelf Labeling
Grocery	UPC/EAN Labeling
Warehouse	Shipping/Receiving
Food Service	
	Inventory and Asset Management

Customer Service Area: Large stores with high returns turnover benefit from the 2844-Z printer at the customer service area. As returned merchandise is processed, the items will either be repackaged & relabeled for resale or sent back to the manufacturer where applicable. To print the labels for these operations, the store installs LP 2844-Z printers with ZebraNet PrintServer II internal Ethernet option and they are networked into the store system. The benefits of ZebraLink include remote printer administration, which enables the printers to be managed from one central location, not necessarily onsite. This reduces training and support requirements and the costs.

Using ZebraLink, a remote administrator can upload updated formats or firmware to the printers, check the printer status and have alerts sent to a pager, cell phone or email.
Additionally, when the return desk volume is high, such as after the holidays, the 2844-Z superior throughput and speed can save time and boost efficiency.
The compact sized printers take up little space in the often-crowded customer service area and the OpenACCESS design makes loading media a simple task.

2844-Z Advantages:

- ✓ Easy to load and use means that very little printer training is required of store personnel.
- ✓ Very low maintenance requirements.
- ✓ Ethernet connectivity with internal ZebraNet PrintServer II facilitates integration to the store system.
- ✓ ZebraLink remote management allows printers to be controlled and monitored from a central location – not necessarily onsite
- ✓ Compact footprint vital for saving space in busy returns area
- ✓ Desktop printer offers value for money and the right print volume to printer size ratio – a mid-range would be too big and a waste of space.

Product Differentiation

2844-Z	2844-Z	T-402™	DA-402™	LP/TLP 2844™
STANDARD FEATURES				
Print Speed (ips)	4 ips (102 mm/s)	2.5ips (64mm)	2.5ips (64mm)	4 ips (102 mm/s)
Resolution (dpi)	203 dpi (8 dots/mm)	203 dpi (8 dots/mm)	203 dpi (8 dots/mm)	203 dpi (8 dots/mm)
Print Width (max. in.)	4.09" (104 mm)	4.09" (104 mm)	4.09" (104 mm	4.09" (104 mm)
Max. Print Length (Std. in.)	39" (990 mm)	22" (559 mm)	22" (559 mm)	11" (279 mm)
Max. Print Length (Upgraded in)	N/A	N/A	N/A	22" (559 mm)
Media Capacity	5" Roll	5" Roll	5" Roll	5" Roll
Transmissive (Gap) Sensor	YES	YES	YES	YES
Ribbon Capacity (TLP)	2930" (74m)	3600" (91m)	N/A	2930" (74m)
Head-Up Sensor	YES	NO	NO	YES
Bitmapped Fonts	YES	YES	YES	YES
Frame Construction	Double-walled plastic	Single wall plastic	Double-walled plastic	Double-walled plastic
Firmware	FLASH	FLASH	FLASH	FLASH
Standard RAM	8MB SDRAM (4MB user avail.)	1MB DRAM	1MB DRAM	256KB SRAM
Standard Flash Memory	4MB (2.75MB user avail.)	1MB	1MB	512KB STD
Std. International Character Sets	YES	YES	YES	YES
Font, Graphic and Form Storage	FLASH	FLASH	FLASH	FLASH
Auto-calibration Feature	YES	YES	YES	YES
Interface	Serial, Parallel & USB	Serial, Parallel	Serial, Parallel	Serial, Parallel & USB
Programming Language	ZPL	ZPL	ZPL	EPL 2
OPTIONS				
SRAM Upgradable to :	N/A	N/A	N/A	512KB (total)
Optional Asian Fonts	YES	YES	YES	YES
Flash Memory Upgrade	8MB (12MB total & 10.75 user avail.)	8MB	8MB	1 MB (total)
Real Time Clock	YES	YES	YES	YES
Keyboard Display Unit	NO	NO	NO	YES
Label Dispenser	YES	Standard	YES	YES
ZebraNet PrintServer II	Internal & External	External only	External only	Internal & External
ZebraLink Enabled	YES	YES	YES	NO
Reflective (black line) Sensor	Standard	YES	Standard	Standard
External Rewind	YES	YES	YES	YES
Cutter	YES	NO	YES	YES
LIST PRICE (N. America)	LP $695 TLP $795	$765	$645	LP $575 TLP $675

Competitive Analysis

The following pages were compiled from the latest manufacturer's product information as of the date of this document. In cases where conflicting product specification or functionality information was discovered between a given manufacturer's printed or on-line material, the manufacturer was contacted directly for clarification.

Products were acquired for purposes of hands-on competitive analysis performed by engineering and product management teams.

Performance testing was performed as follows:

Test Station

All products were tested from the same PC.

- Compaq DeskPro 166Mhz Pentium with MMX, 64Mb RAM and equipped with Microsoft Windows 95.
- All serial interface test-runs were performed using the same high-quality shielded RS-232 serial cable.
- All parallel interface test-runs were performed using the same high-quality fully-shielded IEEE 1284 parallel cable.

Test Labels:
All labels were created by hand-coding two real-world label formats with barcodes using the manufacturer's specific label programming language. These were produced as identically as possible across manufacturers. This procedure isolated the performance characteristics of each tested unit to that of the device's controller electronics and motion dynamics; i.e., no driver overhead or variability.

- AIAG compliance label
- K-Mart compliance label
- For multi-label test runs, 50 unique sets of numeric data was modified in the label program, terminated with a memory-flush statement in each, and concatenated into one file.

Methodology:

- The PC was booted in DOS mode for each test-run.
- Label programs were downloaded from the DOS prompt using proprietary parallel and serial file downloading utilities.
- All parallel tests were performed in ECP mode as set in the PC's BIOS.
- All serial tests were performed @38.4kbs as set by the serial downloading utility.

Timing:

- Timing was performed commencing the test from actuation of the PC's [ENTER] key to start the download, and concluding at the point in time when the trailing-edge of each label (in the case of first-label-out tests), or when the last of 50 labels (in the case of multi-label tests), ceased forward movement.
- Three (3) test-runs were performed for each of the two label designs (x) both PC interfaces (x) both single and multi-label combinations, for a total of 24 independent tests for each product. (3 runs x 2 label types x 2 I/Fs x 2 label volumes.) An average time for each three-run test was then calculated for every combination, resulting in eight (8) summary charts. A calibrated Fisher Scientific NIST-traceable timing device was used to monitor each even.

The following charts (Figures 1 &2) show performance timing results (in seconds) for the LP 2844-Z versus competitive direct thermal 4-inch label printers. Parallel port communications were used in obtaining these timings.

Figure 1: First label out - Kmart and AIAG labels (Direct thermal printers)
Measured in seconds, for completion of one label.

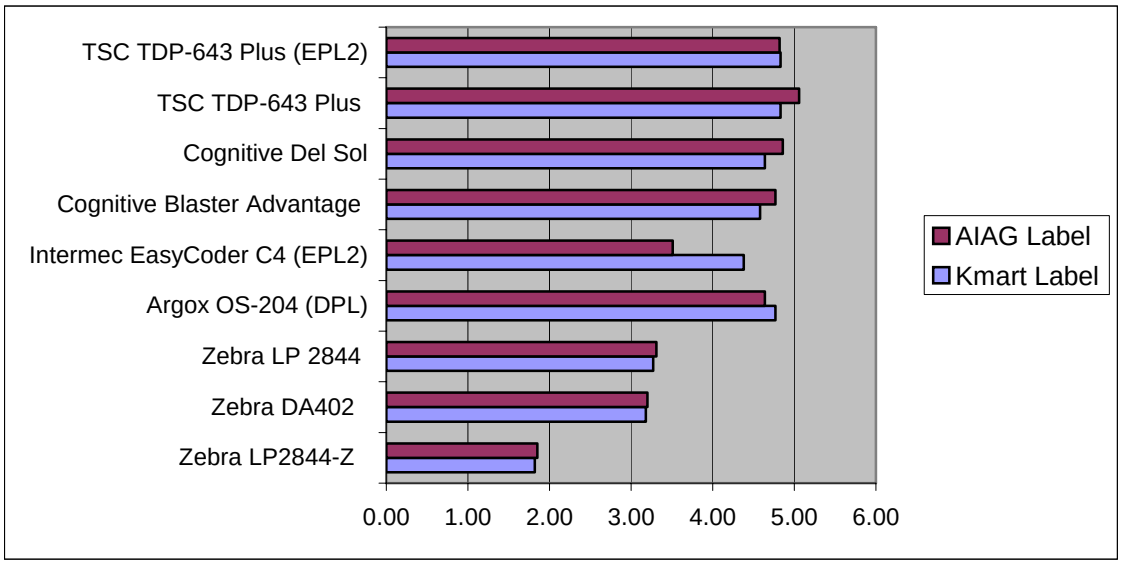
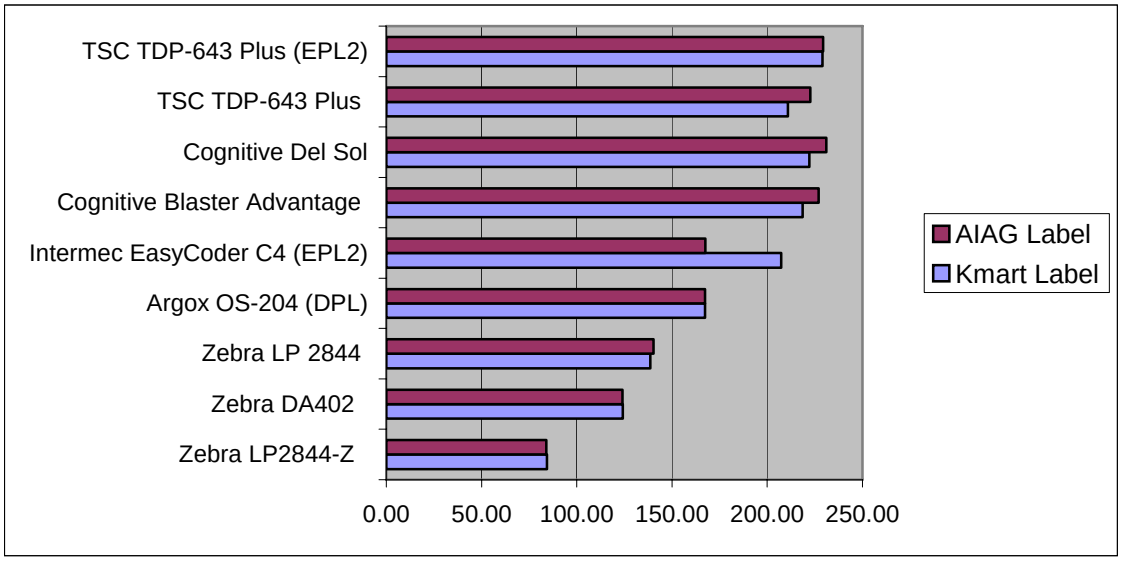


Figure 2: 50 labels out - Kmart and AIAG (Direct thermal printers)
Measured in seconds, for completion of 50 labels of unique variable content.



The following charts (Figures 3 & 4) show performance timing results (in seconds) for the TLP 2844-Z versus competitive thermal transfer 4-inch label printers. Parallel port communications were used in obtaining these timings.

Figure 3: First label out - Kmart and AIAG labels (Thermal Transfer Printers)
Measured in seconds, for completion of one label.

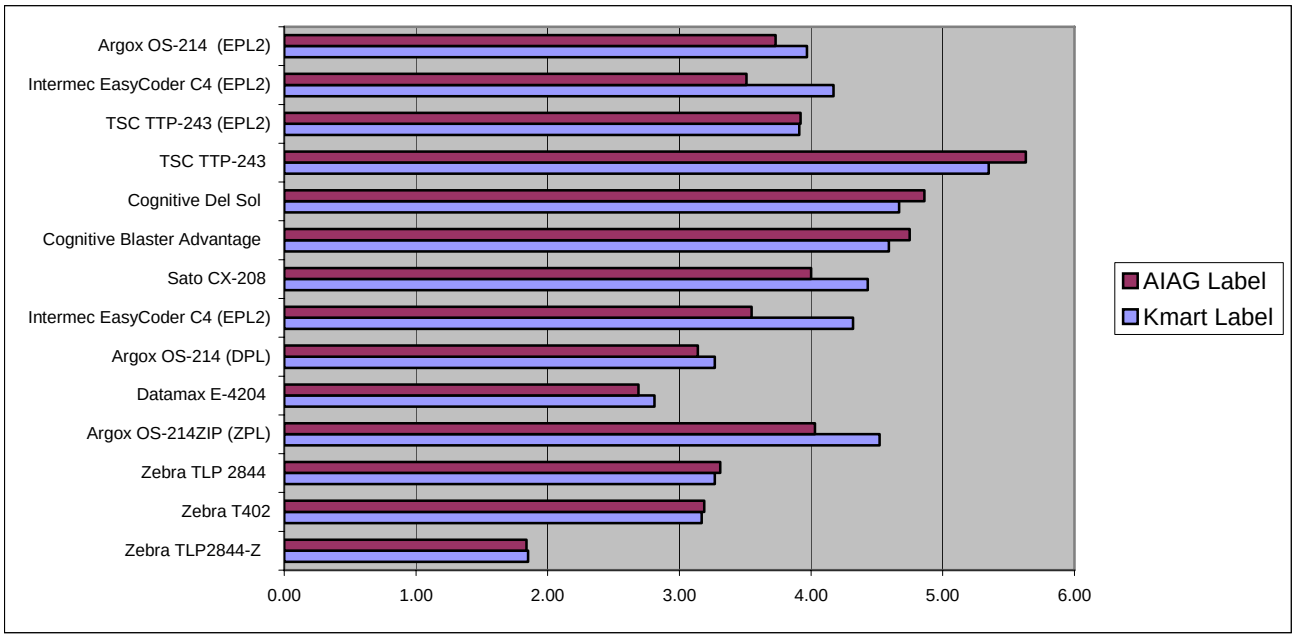
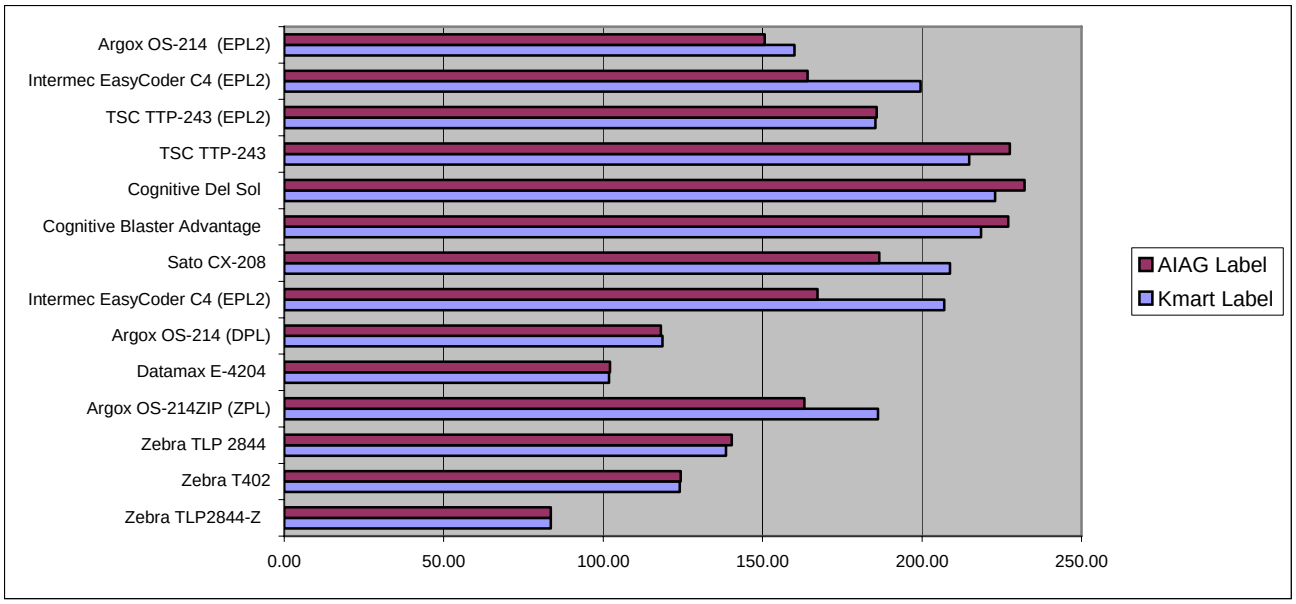


Figure 4: 50 labels out - Kmart and AIAG labels (Thermal Transfer Printers)
Measured in seconds, for completion of 50 labels of unique, variable content.



Zebra TLP 2844-Z vs. Argox OS-214 ZIP

Price & Warranty	**Zebra**	**Argox**
Model #	*TLP 2844-Z*	*OS-214 ZIP*
Retail Price:	$795	$1,050
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	90 Days
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct and Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	
SRAM:	8MB	
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10.9" x 7.3" x 6.0" (278mm x 186mm x 153mm)
Weight:	3.2 lbs. (1.4 kg.)	4.1 lbs. (1.9 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	10
Expandable Vertically & Horizontally:	10x	10x
Smooth Fonts:	Y	Y
Media		
Maximum Media Width:	4.25" (118mm)	4.3" (110mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	45" (1,143mm)
Minimum Media Length:	0.38" (9.7mm)	0.4" (10mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.3" (109mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	3,600" (91M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	2,400 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	$
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $
Cutter:	OPT. = $300	OPT. = $370
Rewinder:	OPT. = $395	
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $
Keyboard Display Unit:	N/A	OPT. = $
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $250

Argox OS-214 ZIP

A comparison of the most important features shows:

The OS-214 ZIP has a single walled cover that is not very rugged. The 2844-Z enclosure is durable and reinforced with dual walled construction.

The OS-214 ZIP hinge pins are inserted and could break off more easily. The 2844-Z has a rugged molded hinge.

The OS-214 ZIP offers serial and parallel interfaces only. The 2844-Z offers serial, parallel, USB and optional internal Ethernet connectivity.

A more restricted media pathway- the OS-214 ZIP does not have the OpenACCESS design of the 2844-Z for optimum ease of use.

The OS 214 ZIP has a removable media spindle which can easily be lost or misplaced. The 2844-Z has a rack and pinion style centered media holder for drop-in media loading.

The 2844-Z has a dynamic 32-bit microprocessor for faster throughput and is 59% faster "time to first label" compared to the OS-214 ZIP.

The 2844-Z has color-coded operator cues for ease of use, whereas the OS-214 ZIP does not.

Zebra TLP 2844-Z vs. Argox OS-214

Price & Warranty	Zebra	Argox
Model #	*TLP 2844-Z*	*OS-214*
Retail Price:	$795	$695
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	90 Days
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct and Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10.9" x 7.3" x 6.0" (278mm x 186mm x 153mm)
Weight:	3.2 lbs. (1.4 kg.)	4.1 lbs. (1.9 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	24x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.3" (110mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	45" (1,143mm)
Minimum Media Length:	0.38" (9.7mm)	0.4" (10mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.3" (109mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	3,600" (91M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	2,400 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	512KB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $
Cutter:	OPT. = $300	OPT. = $370
Rewinder:	OPT. = $395	
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $
Keyboard Display Unit:	N/A	OPT. = $
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $250

Argox OS-214

A comparison of the most important features shows:

The OS-214 has a single walled cover that is not very rugged. The 2844-Z enclosure is durable and reinforced with dual walled construction.

The OS-214 hinge pins are inserted and could break off more easily. The 2844-Z has a rugged molded hinge.

The OS-214 offers serial and parallel interfaces only. The 2844-Z offers serial, parallel, USB and optional internal Ethernet connectivity.

A more restricted media pathway- the OS- 214 does not have the OpenACCESS design of the 2844-Z for optimum ease of use. The OS-214 has a removable media spindle which can easily be lost or misplaced. The 2844-Z has a rack and pinion style centered media holder for drop-in media loading.

The 2844-Z has a dynamic 32-bit microprocessor for faster throughput and is 43% faster "time to first label" compared to the OS-214.

The 2844-Z has color- coded operator cues for ease of use, whereas the OS-214 does not.

Zebra LP 2844-Z vs. Argox OS 204

Price & Warranty	Zebra	Argox
Model #	*LP 2844-Z*	*OS-204*
Retail Price:	$695	$595
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	90 Days
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	2 IPS (50mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10.9" x 7.3" x 6.0" (278mm x 186mm x 153mm)
Weight:	3.0 lbs. (1.3 kg.)	3.74 lbs. (1.7kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	24x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.3" (110mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	45" (1,143mm)
Minimum Media Length:	0.38" (9.7mm)	0.4" (10mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.3" (109mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	2,400 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	512KB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $
Cutter:	OPT. = $300	OPT. = $370
Rewinder:	OPT. = $395	
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $
Keyboard Display Unit:	N/A	OPT. = $
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $250

Argox OS-204

A comparison of the most important features shows:

The OS-204 has a single walled cover that is not very rugged. The 2844-Z enclosure is durable and reinforced with dual walled construction.

The OS-204 hinge pins are inserted and could break off more easily. The 2844-Z has a rugged molded hinge.

The OS-204 offers serial and parallel interfaces only. The 2844-Z offers serial, parallel, USB and optional internal Ethernet connectivity.

A more restricted media pathway- the OS- 204 does not have the OpenACCESS design of the 2844-Z for optimum ease of use. The OS-214 has a removable media spindle which can easily be lost or misplaced. The 2844-Z has a rack and pinion style centered media holder for drop-in media loading.

The 2844-Z has a dynamic 32-bit microprocessor for faster throughput and is 61% faster "time to first label" compared to the OS-204.

The 2844-Z has color- coded operator cues for ease of use, whereas the OS-204 does not.

Zebra TLP 2844-Z vs. Taiwan Semiconductor TTP 243

Price & Warranty	Zebra	Taiwan Semiconductor Co., Ltd.
Model #	*TLP 2844-Z*	*TTP-243*
Retail Price:	$795	$590
Printer Warranty:	1 Year	2 Years
Print Head Warranty:	6 Months	1 Year or 1,000,000 Inches
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct & Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	1MB
SRAM:	8MB	2MB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	11.3" x 9.1" x 6.2" (288mm x 232mm x 156mm)
Weight:	3.2 lbs. (1.4 kg.)	5.9 lbs. (2.7 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	5
Expandable Vertically & Horizontally:	10x	8x
Smooth Fonts:	Y	N
Media Features		
Maximum Media Width:	4.25" (118mm)	4.4" (114mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	90" (2,286mm)
Minimum Media Length:	0.38" (9.7mm)	0.24" (6mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.002" - 0.010" (0.06mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.3" (109mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	984' (300M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	2,400 - 19,200 bps
USB:	Y	N/A
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	4MB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	STD.
Cutter:	OPT. = $300	OPT. = $250
Rewinder:	OPT. = $395	
Real Time Clock:	OPT. = $349 w/exp.mem	STD.
Keyboard Display Unit:	N/A	OPT. = $250
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	N/A

TSC TTP243 & TTP 243E

Serial and parallel interfaces are only available whereas the 2844-Z benefits from triple communication interfaces – serial, parallel and USB.

No Ethernet option on the TTP 243 whilst the 2844-Z offers internal ZebraNet PrintServer II for easy connection to Ethernet networks.

The TTP-243 printers have no smooth font capability.

The 2844-Z 32 Bit processor and 4 ips print speed offer impressive throughput – the TTP 243 has a 3ips print speed. The 2844-Z has a 65% faster time to first label when compared to the TTP 243.

The TTP 243 is not as user-friendly when compared to the OpenACCESS design of the 2844-Z. Access to the media path is restricted and media is hard to load. User must open top cover and then print mechanism to access media pathway.

There are no removable parts, such as media roll holder, on the 2844-Z. On the TTP 243, these parts could easily get lost or misplaced.

The TTP 243 footprint is 8% larger than the TLP2844-Z and 13% larger than the LP 2844-Z. The Zebra 2844-Z printers are more compact, space saving desktop printing solutions.

The TTP 243 has a single walled cover that is somewhat flimsy. The 2844-Z enclosure is durable and reinforced

Zebra LP 2844-Z vs. Taiwan Semiconductor TDP 643 Plus

Price & Warranty	Zebra	Taiwan Semiconductor Co., Ltd.
Model #	*LP 2844-Z*	*TDP-643 Plus*
Retail Price:	$695	$495
Printer Warranty:	1 Year	2 Years
Print Head Warranty:	6 Months	1 Year or 1,000,000 Inches
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	2MB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10.3" x 8.7" x 7.1" (263mm x 220mm x 180mm)
Weight:	3.0 lbs. (1.3 kg.)	3.67 lbs. (1.67 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	5
Expandable Vertically & Horizontally:	10x	8x
Smooth Fonts:	Y	N
Media Features		
Maximum Media Width:	4.25" (118mm)	4.3" (110mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	90" (2,286mm)
Minimum Media Length:	0.38" (9.7mm)	0.4" (10mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.002" - 0.010" (0.06mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127+B15mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	2,400 - 19,200 bps
USB:	Y	N/A
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	N/A
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	STD.
Cutter:	OPT. = $300	OPT = $250
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT = $
Keyboard Display Unit:	N/A	OPT = $250
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	N/A

TSC TDP 643 Plus.

Some of the limitations of the 643 Plus compared to the 2844-Z are:

Serial and parallel interfaces only – the 2844-Z benefits from triple communication interfaces – serial, parallel and USB.

No Ethernet option whereas the 2844-Z offers internal ZebraNet PrintServer II for easy connection to Ethernet networks.

The 643-Plus has no smooth font capability.

The 2844-Z 32 Bit processor and 4 ips print speed offer impressive throughput – the TSC 643 Plus has a 3ips print speed. The 2844-Z has a 62% faster time to first label when compared to the TSC TDP 643 Plus.

The 643 Plus is not user-friendly when compared to the OpenACCESS design of the 2844-Z. Access to the media path is restricted and media is hard to load.

There are no removable parts, such as media roll holder, on the 2844-Z.

The 2844-Z has considerably more memory than the 643 Plus, for increased storage of fonts, forms and graphics

Zebra TLP 2844-Z vs. Sato CX 208TT

Price & Warranty	Zebra	Sato
Model #	*TLP 2844-Z*	*CX-208TT*
Retail Price:	$795	$595
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	500,000"
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct & Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10" x 6.9" x 6.6" (254mm x 175mm x 168mm)
Weight:	3.2 lbs. (1.4 kg.)	3.6 lbs. (1.63 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	12
Expandable Vertically & Horizontally:	10x	12x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.65" (118mm)
Minimum Media Width:	1.0" (25mm)	2.0" (50mm)
Maximum Media Length:	39" (991mm)	20" (508mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.4mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.003" - 0.007" (0.076mm - 0.18mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	459' (140M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	N/A
Cutter:	OPT. = $300	N/A
Rewinder:	OPT. = $395	N/A
Real Time Clock:	OPT. = $349 w/exp.mem	N/A
Keyboard Display Unit:	N/A	N/A
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $375

Sato CX-208TT

This printer is constructed of single walled plastic - The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The CX 208TT offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The CX 208TT has an external Ethernet option which is $125 more than the 2844-Z option.

With a 60% faster time to first label than the CX 208, the 2844-Z offers superior throughput driven by the 32-bit microprocessor.

The CX 208TT has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the CX 208TT is more complex than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the CX 208TT, for increased storage of fonts, forms and graphics.

Zebra LP 2844-Z vs. Sato CX 208DT

Price & Warranty	Zebra	Sato
Model #	*LP 2844-Z*	*CX-208DT*
Retail Price:	$695	$495
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	500,000"
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10" x 6.9" x 6.6" (254mm x 175mm x 168mm)
Weight:	3.0 lbs. (1.3 kg.)	3.1 lbs. (1.41 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	12
Expandable Vertically & Horizontally:	10x	12x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.65" (118mm)
Minimum Media Width:	1.0" (25mm)	2.0" (50mm)
Maximum Media Length:	39" (991mm)	20" (508mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.4mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.003" - 0.007" (0.076mm - 0.18mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	N/A
Cutter:	OPT. = $300	N/A
Rewinder:	OPT. = $395	N/A
Real Time Clock:	OPT. = $349 w/exp.mem	N/A
Keyboard Display Unit:	N/A	N/A
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $375

Sato CX-208DT

This printer is constructed of single walled plastic - The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The CX 208DT offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The CX 208DT has an external Ethernet option which is $125 more than the 2844-Z option.

With a 60% faster time to first label than the CX 208, the 2844-Z offers superior throughput driven by the 32-bit microprocessor.

The CX 208DT has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the CX 208DT is more complex than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the CX 208DT, for increased storage of fonts, forms and graphics.

Zebra TLP 2844-Z vs. Intermec EasyCoder C4

Price & Warranty	Zebra	Intermec
Model #	*TLP 2844-Z*	*EasyCoder C4*
Retail Price:	$795	$645
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	1 Year
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct and Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	200KB
SRAM:	8MB	170KB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10.23" x 9.06" x 6.58" (257mm x 230mm x 167mm)
Weight:	3.2 lbs. (1.4 kg.)	5.07 lbs. (2.3 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	5
Expandable Vertically & Horizontally:	10x	8x
Smooth Fonts:	Y	N
Media Features		
Maximum Media Width:	4.25" (118mm)	4.65" (118mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	8" (200mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5" (125mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" - 1.5" (25mm - 38mm)
Ribbon Length:	2,900" (74M)	91M (298 Ft.)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	1,200 - 19,200 bps
USB:	Y	N/A
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	1 MB Flash = $ / 256KB SRAM = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	STD.
Cutter:	OPT. = $300	OPT. = $
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $
Keyboard Display Unit:	N/A	OPT. = $
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $375

Intermec EasyCoder C4

Physically the C4 is 20% larger than the TLP 2844-Z. The 2844-Z has a more compact footprint, essential for many desktop applications where printers are located in tight spaces.

The C4 offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity. The C4 has no Ethernet option.

The 2844-Z has superior throughput and 4ips print speed thanks to a new powerful 32 bit processor. The C4 prints at speeds up to 3ips. The 2844-Z has a 57% faster time to first label when compared to the C4.

The C4 does not offer smooth font capability.

The C4's removable media spindle could easily be lost or misplaced. The 2844-Z has rack and pinion style centered media holder for drop-in media loading.

The 2844-Z has considerably more memory than the C4, for increased storage of fonts, forms and graphics.

Zebra LP 2844-Z vs. Intermec EasyCoder C4

Price & Warranty	Zebra	Intermec
Model #	*LP 2844-Z*	*EasyCoder C4*
Retail Price:	$695	$545
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	1 Year
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	200KB
SRAM:	8MB	170KB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10.23" x 9.06" x 6.58" (257mm x 230mm x 167mm)
Weight:	3.0 lbs. (1.3 kg.)	5.07 lbs. (2.3 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	5
Expandable Vertically & Horizontally:	10x	8x
Smooth Fonts:	Y	N
Media Features		
Maximum Media Width:	4.25" (118mm)	4.65" (118mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	8" (200mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5" (125mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" - 1.5" (25mm - 38mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	1,200 - 19,200 bps
USB:	Y	N/A
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	1 MB Flash = $ / 256KB SRAM = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	STD.
Cutter:	OPT. = $300	OPT. = $
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $
Keyboard Display Unit:	N/A	OPT. = $
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $375

Intermec EasyCoder C4

Physically the C4 is 40% larger than the LP 2844-Z. The 2844-Z has a more compact footprint, essential for many desktop applications where printers are located in tight spaces.

The C4 offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity. The C4 has no Ethernet option.

The 2844-Z has superior throughput and 4ips print speed thanks to a new powerful 32 bit processor. The C4 prints at speeds up to 3ips.
The 2844-Z has a 57% faster time to first label when compared to the C4.

The C4 does not offer smooth font capability.

The C4's removable media spindle could easily be lost or misplaced. The 2844-Z has rack and pinion style centered media holder for drop-in media loading.

The 2844-Z has considerably more memory than the C4, for increased storage of fonts, forms and graphics.

Zebra TLP 2844-Z vs. Datamax E4204

Price & Warranty	Zebra	Datamax
Model #	*TLP 2844-Z*	*E-4204*
Retail Price:	$795	$650
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	1 Year, or 1,000,000 Inches
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct & Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	4 IPS (101mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	1MB
SRAM:	8MB	2MB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10" x 8.8" x 7.1" (254mm x 223mm x 179mm)
Weight:	3.2 lbs. (1.4 kg.)	5.2 lbs. (2.4 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	9
Expandable Vertically & Horizontally:	10x	24x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.3" (109mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	12" (305mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.254mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	361' (110M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	3MB = $195
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $45
Cutter:	OPT. = $300	OPT. = $200 or $495
Rewinder:	OPT. = $395	OPT. = $545
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $50
Keyboard Display Unit:	N/A	OPT. = $295
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $495

Datamax E4204

The E4204 offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity. The E4204 has no Ethernet option

With a 34% faster time to first label than the E4204, the 2844-Z offers superior throughput driven by the 32-bit microprocessor.

The E4204 removable media spindle could be lost or misplaced. The 2844-Z has rack and pinion style centered media holder for drop-in media loading.

The left-justified print mechanism on the E4204 does not distribute printhead pressure as evenly as the center-justified mechanism on the 2844-Z.
Left justifying mechanism increases the risk of improper print registration based on media guide not being located at full left position.

The E4204 is not as user-friendly when compared to the OpenACCESS design of the 2844-Z. Access to the media path is restricted and media is hard to load. Both the upper cover and print mechanism must be opened to load media.

The E4204 has a single walled cover that is not very robust. The 2844-Z enclosure is durable and reinforced with dual walled construction. The E4204 print mechanism is opened by pressing a green plastic lever which could easily break off.

Zebra LP 2844-Z vs .Datamax E4204

Price & Warranty	Zebra	Datamax
Model #	*LP 2844-Z*	*E-4204*
Retail Price:	$695	$575
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	1 Year, or 1,000,000 Inches
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	4 IPS (101mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	1MB
SRAM:	8MB	2MB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10" x 8.8" x 7.1" (254mm x 223mm x 179mm)
Weight:	3.0 lbs. (1.3 kg.)	5.2 lbs. (2.4 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	9
Expandable Vertically & Horizontally:	10x	24x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.3" (109mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	12" (305mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.254mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 38,400 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	3MB = $195
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $45
Cutter:	OPT. = $300	OPT. = $200 or $495
Rewinder:	OPT. = $395	OPT. = $545
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $50
Keyboard Display Unit:	N/A	OPT. = $295
Network Connectivity(Internal):	OPT. = $249	N/A
Network Connectivity(External):	OPT. = $299	OPT. = $495

Datamax E4204

The E4204 offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity. The E4204 has no Ethernet option

With a 34% faster time to first label than the E4204, the 2844-Z offers superior throughput driven by the 32 bit microprocessor.

The E4204's removable media spindle could be lost or misplaced. The 2844-Z has rack and pinion style centered media holder for drop-in media loading.

The left-justified print mechanism on the E4204 does not distribute printhead pressure as evenly as the center-justified mechanism on the 2844-Z.
Left justifying mechanism increases the risk of improper print registration based on media guide not being located at full left position.

The E4204 is not as user-friendly when compared to the OpenACCESS design of the 2844-Z. Access to the media path is restricted and media is hard to load. Both the upper cover and print mechanism must be opened to load media.

The E4204 has a single walled cover that is not very robust. The 2844-Z enclosure is durable and reinforced with dual walled construction. The E4204 print mechanism is opened by pressing a green plastic lever which could easily break off.

Zebra TLP 2844-Z vs. Cognitive Del Sol DT422003

Price & Warranty	Zebra	Cognitive
Model #	*TLP 2844-Z*	*Del Sol (DT422003)*
Retail Price:	$795	$595
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	2,000,000 Inches (50Km)
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct & Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	10" x 7" x 7" (254mm x 178mm x 178mm)
Weight:	3.2 lbs. (1.4 kg.)	3.5 lbs. (1.59 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	10x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.25" (108mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	20" (513mm)
Minimum Media Length:	0.38" (9.7mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.007" - 0.010" (0.18mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	5,500" (140M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 - 115,200 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	Y
Label Taken Sensor:	OPT. = $35	OPT. = $100
Cutter:	OPT. = $300	OPT. = $250
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $100
Keyboard Display Unit:	N/A	OPT. = $275
Network Connectivity(Internal):	OPT. = $249	OPT. = $300
Network Connectivity(External):	OPT. = $299	N/A

Cognitive Del Sol

This is the successor to the Blaster and Solus. The Del Sol has plastic latches which feel flimsy and could snap off under stress.
The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The Del Sol offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The Del Sol has an internal Ethernet option which is $50 more than the 2844-Z option.

With a 60% faster time to first label than Del Sol, the 2844-Z offers superior throughput driven by the 32-bit microprocessor.

The Del Sol has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the Del Sol is more complex than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the Del Sol, for increased storage of fonts, forms and graphics.

Zebra LP 2844-Z vs. Cognitive Del Sol DD422003

Price & Warranty	Zebra	Cognitive
Model #	*LP 2844-Z*	*Del Sol (DD422003)*
Retail Price:	$695	$495
Printer Warranty:	1 Year	1 Year
Print Head Warranty:	6 Months	2,000,000 Inches (50Km)
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	10" x 7" x 7" (254mm x 178mm x 178mm)
Weight:	3.0 lbs. (1.3 kg.)	3.5 lbs. (1.59 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	10x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.25" (108mm)
Minimum Media Width:	1.0" (25mm)	1.0" (25mm)
Maximum Media Length:	39" (991mm)	20" (513mm)
Minimum Media Length:	0.38" (9.7mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.007" - 0.010" (0.18mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	5.0" (127mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 - 115,200 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	Y
Label Taken Sensor:	OPT. = $35	OPT. = $100
Cutter:	OPT. = $300	OPT. = $250
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $100
Keyboard Display Unit:	N/A	OPT. = $275
Network Connectivity(Internal):	OPT. = $249	OPT. = $300
Network Connectivity(External):	OPT. = $299	N/A

Cognitive Del Sol

This is the successor to the Blaster and Solus. It has plastic latches which feel flimsy and could snap off under stress. The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The Del Sol offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The Del Sol has an internal Ethernet option which is $50 more than the 2844-Z option.

With a 60% faster time to first label than Del Sol, the 2844-Z offers superior throughput driven by the 32 bit microprocessor.

The Del Sol has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the Del Sol is more complex than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the Del Sol, for increased storage of fonts, forms and graphics.

Zebra TLP 2844-Z vs. Cognitive Blaster Advantage BT422003

Price & Warranty	Zebra	Cognitive
Model #	*TLP 2844-Z*	*Blaster Advantage(BT42203)*
Retail Price:	$795	$795
Printer Warranty:	1 Year	2 Year
Print Head Warranty:	6 Months	2,000,000 Inches (50Km)
Print Features		
Printer Type:	Direct and Thermal Transfer	Direct & Thermal Transfer
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	9.75" x 7.9" x 6.8" (248mm x 201mm x 173mm)	9.4" x 6.8" x 6.1" (238mm x 173mm x 155mm)
Weight:	3.2 lbs. (1.4 kg.)	4.4 lbs. (2.0 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	10x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.2" (106mm)
Minimum Media Width:	1.0" (25mm)	2.0" (50mm)
Maximum Media Length:	39" (991mm)	22" (559mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.7" (119mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	2,900" (74M)	3,150" (80M)
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 115,200 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $100
Cutter:	OPT. = $300	OPT. = $
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $100
Keyboard Display Unit:	N/A	OPT. = $275
Network Connectivity(Internal):	OPT. = $249	OPT. = $300
Network Connectivity(External):	OPT. = $299	

Cognitive Blaster Advantage

The Blaster has plastic latches which feel flimsy and could snap off under stress. The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The Blaster offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The Blaster has an internal Ethernet option which is $50 more than the 2844-Z option.

With a 60% faster time to first label than Blaster, the 2844-Z offers superior throughput driven by the 32-bit microprocessor.

The Blaster has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the Blaster is more difficult than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the Blaster, for increased storage of fonts, forms and graphics.

Zebra LP 2844-Z vs. Cognitive Blaster Advantage BD422003

Price & Warranty	Zebra	Cognitive
Model #	*LP 2844-Z*	*Blaster Advantage (BD42203)*
Retail Price:	$695	$695
Printer Warranty:	1 Year	2 Year
Print Head Warranty:	6 Months	2,000,000 Inches (50Km)
Print Features		
Printer Type:	Direct Thermal Only	Direct Thermal Only
Print Speed:	4 IPS (101mm/sec.)	3 IPS (76mm/sec.)
Printhead Resolution:	203 DPI (8 dots/mm)	203 DPI (8 dots/mm)
Flash:	4MB	512KB
SRAM:	8MB	512KB
Physical Features		
Footprint (D x W x H):	8.38" x 7.9" x 6.7" (213mm x 201mm x 170mm)	9.4" x 6.8" x 6.1" (238mm x 173mm x 155mm)
Weight:	3.0 lbs. (1.3 kg.)	3.9 lbs. (1.77 kg.)
Imaging Features		
Rotated (0°, 90°, 180°, 270°):	Y	Y
# of Resident Fonts:	10	7
Expandable Vertically & Horizontally:	10x	10x
Smooth Fonts:	Y	Y
Media Features		
Maximum Media Width:	4.25" (118mm)	4.2" (106mm)
Minimum Media Width:	1.0" (25mm)	2.0" (50mm)
Maximum Media Length:	39" (991mm)	22" (559mm)
Minimum Media Length:	0.38" (9.7mm)	0.25" (6.35mm)
Thickness:	0.003" - 0.007" (0.08mm - 0.18mm)	0.0025" - 0.010" (0.0635mm - 0.25mm)
Maximum OD (Outside Diameter):	5.0" (127mm)	4.7" (119mm)
Minimum ID (Inner Diameter):	1.0" (25mm)	1.0" (25mm)
Ribbon Length:	N/A	N/A
Connectivity		
Centronics Parallel:	Y	Y
RS-232 C:	110 - 115,200 bps	600 bps - 115,200 bps
USB:	Y	N
Options & Accessories		
Expandable Memory:	OPT. 8MB Flash = $349	2MB = $150 / 4MB = $
Black Line sensor:	STD.	STD.
Label Taken Sensor:	OPT. = $35	OPT. = $100
Cutter:	OPT. = $300	OPT. = $
Rewinder:	OPT. = $395	?
Real Time Clock:	OPT. = $349 w/exp.mem	OPT. = $100
Keyboard Display Unit:	N/A	OPT. = $275
Network Connectivity(Internal):	OPT. = $249	OPT. = $300
Network Connectivity(External):	OPT. = $299	OPT. = $

Cognitive Blaster Advantage

The Blaster has plastic latches which feel flimsy and could snap off under stress. The 2844-Z has sturdy dual-wall construction and strong molded hinges and parts.

The Blaster offers only serial and parallel interfaces. The 2844-Z has a broader range of connectivity choices, with standard serial, parallel and USB ports as well as optional internal Ethernet connectivity.

The Blaster has an internal Ethernet option which is $50 more than the 2844-Z option.

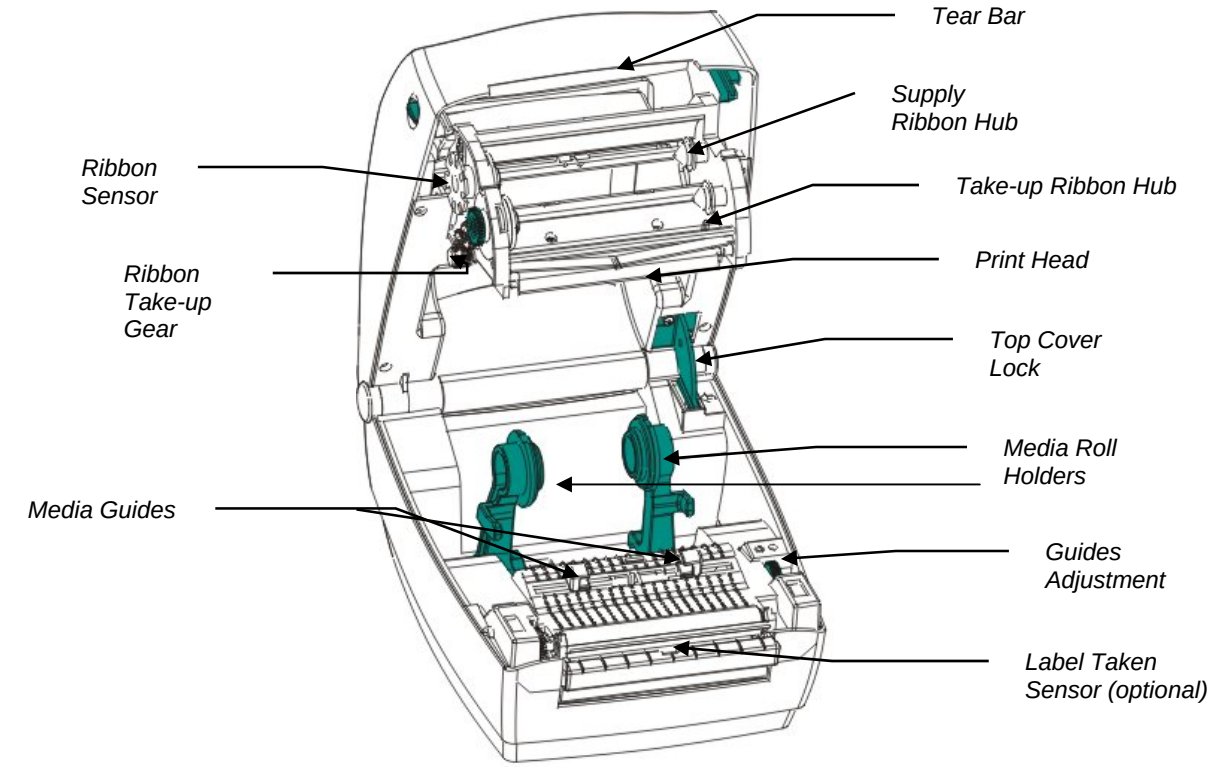
With a 60% faster time to first label than Blaster, the 2844-Z offers superior throughput driven by the 32-bit microprocessor

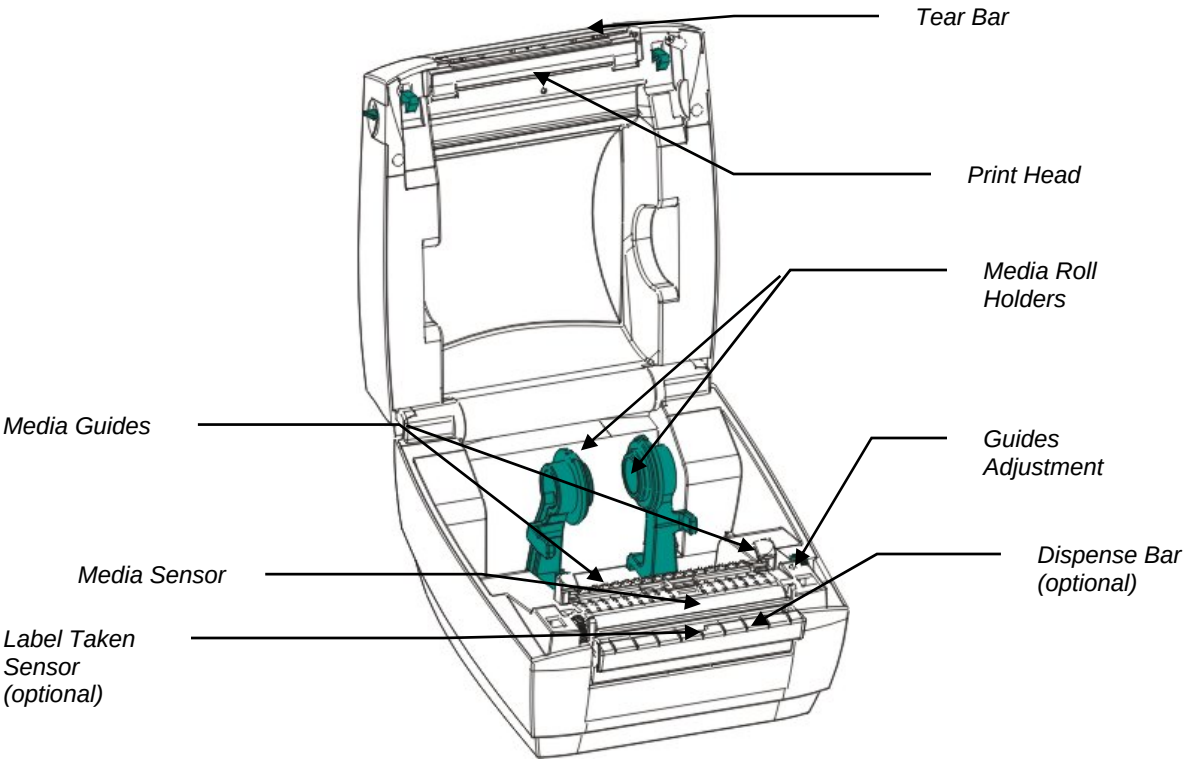
The Blaster has a maximum print speed of 3ips compared to 4ips on the 2844-Z.

A more restricted media pathway means that loading the Blaster is more difficult than the 2844-Z, which has Zebra's OpenACCESS design for ease of use.

The 2844-Z has considerably more memory than the Blaster, for increased storage of fonts, forms and graphics.

2844-Z Printer Tour





Preventative Maintenance and Warranty Information

Cleaning:

The Zebra 2844-Z exterior is cleaned with a lint-free cloth, and if necessary, a mild detergent solution or desktop cleaner can be used. Interior components (print head, platen, media path, label dispenser bar) are cleaned with alcohol or blown air.

Lubrication

All mechanical parts of the 2844-Z printer are self-lubricating and do not require additional lubrication.

Warranty Information

All Zebra products are sold with warranties. Refer to the User's Guide for warranty information specific to each product. Here is some general information:

Printer Products

Printers. All printers (excluding printheads) are warranted against defect in material or workmanship for twelve (12) months from the purchase date.

Proof of purchase or shipment date is required to validate the warranty period. The warranty becomes void if the equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

NOTE: Products returned must be packaged in the original or comparable packing and shipping container. In the event equipment is not so packaged, or if shipping damage is evident, it will not be accepted for service under warranty. Surface transportation charges for return to customers in the continental United States is paid by Zebra. Otherwise, Zebra pays CPT (carriage paid to) nearest airport; customer pays customs, duties, taxes, and freight from airport to destination. If Zebra determines that the product returned for warranty service or replacement is not defective as herein defined, the customer will pay all handling and transportation costs.

Printheads. Since printhead wear is part of normal operation, the original printhead is covered by a limited **6 month** warranty. Warranty period begins on purchase date.

To qualify for this warranty, the printhead must be returned to the factory or to an authorized service center. Customers are not required to purchase Zebra supplies (media and/or ribbons) for warranty qualification. However, if it is determined that the use of other manufacturer supplies has caused any defect in the printhead for which a warranty claim is made, the user is responsible for Zebra's labor and material charges required to repair the defect. The warranty becomes void if the printhead is physically worn or damaged; also if it is determined that failure to follow the preventive maintenance schedule listed in the User's Guide has caused defect in the thermal printhead for which a warranty claim is made.

Software. Software is warranted to be free of defects in material and workmanship for 30 days from the date of purchase. In the event of notification within the warranty period of defects, Zebra will replace the defective diskette or documentation.

Parts. All parts, maintenance kits, options kits, and accessories are warranted to be free of defects in material and workmanship for 90 days (except where otherwise denoted) from date of purchase. This warranty becomes void if the item is modified, improperly installed or used, or damaged by accident or neglect.

Zebra Supplies for the 2844-Z

For maximum performance and reliability of the LP/TLP 2844-Z, use of Genuine Zebra supplies is strongly recommended. No other supplies brand is specifically engineered for Zebra printers to provide optimum print quality and the best performance. Zebra offers a variety of labels, tags, and paper to meet specific demands of any application. In case the standard media offering does not meet the requirements of your application, Zebra can create and supply custom media in required sizes.

The standard Zebra supplies offering consists of standard, outside wound, direct thermal media. Alternative sizes and special media can be custom ordered.

Prices are subject to change without notice.

Direct Quick Print 3000 The inner diameter of these rolls is 1.0" and the outer diameter is 5.0".

Size Width	Length	Part #	Labels/ Roll	Rolls/ Carton	Weight/ Carton	Rolls 1-7 Price/Roll Price/M	8-23 Price/Roll Price/M	24-95 Price/Roll Price/M	96-239 Price/Roll Price/M	240+ Price/Roll Price/M
2.25" x	0.75"	800262-075*	3,315	12	18 lbs.	$14.23 $4.29/M	$12.09 $3.65/M	$10.88 $3.28/M	$9.79 $2.95/M	$9.30 $2.80/M
2.25" x	1.25"	800262-125*	2,100	12	18 lbs.	$14.23 $6.77/M	$12.09 $5.76/M	$10.88 $5.18/M	$9.79 $4.66/M	$9.30 $4.43/M
2.25" x	2.00"	800262-205*	1,370	12	18 lbs.	$14.23 $10.38/M	$12.09 $8.82/M	$10.88 $7.94/M	$9.79 $7.15/M	$9.30 $6.79/M
2.25" x	4.00"	800262-405*	700	12	18 lbs.	$14.23 $20.32/M	$12.09 $17.27/M	$10.88 $15.54/M	$9.79 $13.99/M	$9.30 $13.28/M
4.00" x	1.25"	800264-125*	2,100	12	20 lbs.	$24.09 $11.47/M	$20.47 $9.75/M	$18.43 $8.77/M	$16.58 $7.90/M	$15.75 $7.50/M
4.00" x	3.00"	800264-305*	930	12	20 lbs.	$20.95 $22.53/M	$17.80 $19.14/M	$16.02 $17.23/M	$14.42 $15.51/M	$13.69 $14.72/M
4.00" x	3.00"	800266-243* Two Up	1,860	6	20 lbs.	$57.79 $31.07/M	$49.10 $26.40/M	$44.19 $23.76/M	$39.77 $21.38/M	$37.77 $20.31/M
4.00" x	4.00"	800264-405*	700	12	20 lbs.	$24.09 $34.42/M	$20.47 $29.25/M	$18.43 $26.32/M	$16.58 $23.69/M	$15.75 $22.50/M
4.00" x	5.00"	800264-505*	565	12	20 lbs.	$24.09 $42.65/M	$20.47 $36.23/M	$18.43 $32.61/M	$16.58 $29.35/M	$15.75 $27.87/M
4.00" x	6.00"	800264-605*	475	12	20 lbs.	$20.95 $44.11/M	$17.80 $37.48/M	$16.02 $33.73/M	$14.42 $30.36/M	$13.69 $28.83/M

* Perf'd Liner

Direct Quick Print 3000

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size			Part #	Labels/ Roll	Rolls/ Carton	Weight/ Carton	Rolls 1-7 Price/Roll Price/M	8-23 Price/Roll Price/M	24-95 Price/Roll Price/M	96-239 Price/Roll Price/M	240+ Price/Roll Price/M
Width		Length									
1.00"	x	3.00"	800510-300	500	12	16 lbs.	$4.36 $8.71/M	$3.70 $7.40/M	$3.33 $6.66/M	$3.00 $6.00/M	$2.85 $5.69/M
1.20"	x	0.85"	800999-007*	1,500	12	16 lbs.	$4.67 $3.12/M	$3.97 $2.65/M	$3.57 $2.38/M	$3.22 $2.14/M	$3.06 $2.04/M
1.25"	x	1.00"	800512-105*	1,380	12	16 lbs.	$4.66 $3.38/M	$3.96 $2.87/M	$3.56 $2.58/M	$3.21 $2.32/M	$3.04 $2.21/M
2.25"	x	0.75"	800522-075*	1,780	12	17 lbs.	$7.01 $3.94/M	$5.95 $3.35/M	$5.36 $3.01/M	$4.82 $2.71/M	$4.58 $2.57/M
2.25"	x	1.25"	800522-125*	1,135	12	17 lbs.	$7.01 $6.17/M	$5.95 $5.25/M	$5.36 $4.72/M	$4.82 $4.25/M	$4.58 $4.04/M
2.25"	x	2.00"	800522-205*	735	12	17 lbs.	$7.01 $9.54/M	$5.95 $8.10/M	$5.36 $7.29/M	$4.82 $6.56/M	$4.58 $6.23/M
2.25"	x	3.00"	800522-305*	500	12	17 lbs.	$7.57 $15.14/M	$6.43 $12.86/M	$5.79 $11.58/M	$5.21 $10.42/M	$4.95 $9.89/M
2.25"	x	4.00"	800522-405*	380	12	17 lbs.	$7.01 $18.44/M	$5.95 $15.67/M	$5.36 $14.10/M	$4.82 $12.69/M	$4.58 $12.05/M
3.00"	x	1.00	800530-105*	1,380	12	18 lbs.	$10.66 $7.72/M	$9.05 $6.56/M	$8.15 $5.91/M	$7.33 $5.31/M	$6.97 $5.05/M
3.00"	x	2.00"	800530-205	735	12	18 lbs.	$10.66 $14.50/M	$9.05 $12.32/M	$8.15 $11.09/M	$7.33 $9.98/M	$6.97 $9.48/M
4.00"	x	1.00"	800540-105*	1,310	12	19 lbs.	$12.14 $9.26/M	$10.31 $7.87/M	$9.28 $7.08/M	$8.35 $6.38/M	$7.93 $6.06/M
4.00"	x	1.50"	800540-155*	960	12	19 lbs.	$11.53 $12.01/M	$9.79 $10.20/M	$8.81 $9.18/M	$7.93 $8.26/M	$7.53 $7.85/M
4.00"	x	2.00"	800540-205	735	12	19 lbs.	$13.25 $18.03/M	$11.26 $15.32/M	$10.14 $13.79/M	$9.12 $12.41/M	$8.66 $11.79/M
4.00"	x	2.50"	800540-250*	640	12	19 lbs.	$12.45 $19.45/M	$10.58 $16.52/M	$9.52 $14.87/M	$8.57 $13.39/M	$8.14 $12.71/M
4.00"	x	3.00"	800540-305*	500	12	19 lbs.	$11.53 $23.05/M	$9.79 $19.59/M	$8.81 $17.63/M	$7.93 $15.86/M	$7.53 $15.07/M
4.00"	x	4.00"	800540-405*	377	12	19 lbs.	$11.53 $30.57/M	$9.79 $25.97/M	$8.81 $23.38/M	$7.93 $21.04/M	$7.53 $19.98/M
4.00"	x	5.00"	800540-500	305	12	19 lbs.	$12.45 $40.81/M	$10.58 $34.68/M	$9.52 $31.21/M	$8.57 $28.09/M	$8.14 $26.67/M
4.00"	x	5.00"	800540-505*	305	12	19 lbs.	$12.45 $40.81/M	$10.58 $34.68/M	$9.52 $31.21/M	$8.57 $28.09/M	$8.14 $26.67/M
4.00"	x	6.00"	800540-600	250	12	19 lbs.	$11.53 $46.10/M	$9.79 $39.17/M	$8.81 $35.25/M	$7.93 $31.73/M	$7.53 $30.13/M
4.00"	x	6.00"	800540-605*	250	12	19 lbs.	$11.53 $46.10/M	$9.79 $39.17/M	$8.81 $35.25/M	$7.93 $31.73/M	$7.53 $30.13/M

* Perf'd Liner

Direct I.R. 4000 The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
4.00"	x 5.00'	800540-501	305	12	19 lbs.	$20.53 $67.32/M	$17.45 $57.20/M	$15.70 $51.48/M	$14.13 $46.33/M	$13.42 $44.00/M
4.00"	x 6.00"	800540-601	250	12	19 lbs.	$20.53 $82.13/M	$17.45 $69.78/M	$15.70 $62.81/M	$14.13 $56.53/M	$13.42 $53.68/M

Direct Tag 2070 The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
1.25"	x 2.25"	800999-005*	600	12	16 lbs.	$7.27 $12.11/M	$6.18 $10.29/M	$5.56 $9.26/M	$5.00 $8.34/M	$4.75 $7.92/M
2.25"	x 1.37"	800999-009*	967	12	17 lbs.	$8.71 $9.00/M	$7.40 $7.65/M	$6.66 $6.88/M	$5.99 $6.20/M	$5.69 $5.88/M

* Perf'd Liner with string hole

The part numbers listed below are for use with the **TigerWriter 2, TigerWriter 4, LP2022/2122, LP2042/2142, LP/TLP2242, LP/TLP2824, LP2443 Orion, LP/TLP 2722/2622, LP/TLP 2742/2642, LP/TLP2844, TLP 3742/3642 printers**

Direct Quick Print 3000 (2 Across) Price Labels The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
1.18"	x 1.00"	800999-011*	2,620	12	17 lbs.	$8.17 $3.12/M	$6.95 $2.65/M	$6.25 $2.39/M	$5.63 $2.15/M	$5.34 $2.04/M
1.125"	x 1.25"	800127-101*	1,135	12	17 lbs.	$7.27 $6.41/M	$6.18 $5.44/M	$5.56 $4.90/M	$5.00 $4.41/M	$4.75 $3.82/M

* Perf'd Liner

Direct Remove 3000 The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
1.18"	x 1.00"	800999-031* 2 UP	2,620	12	17 lbs.	$11.10 $4.24/M	$9.43 $3.60/M	$8.49 $3.24/M	$7.64 $2.92/M	$7.26 $2.77/M

* Perf'd Liner

Z-Direct Kimdura Jewelry (Butterfly) Label with UV Shield

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
2.20" x	0.50"	800999-006 w/o flaps	2,490	12	17 lbs.	$22.06 $8.86/M	$18.75 $7.53/M	$16.87 $6.78/M	$15.18 $6.10/M	$14.42 $5.79/M
2.20" x	0.50"	800999-030 with flaps	2,490	12	17 lbs.	$22.06 $8.86/M	$18.75 $7.53/M	$16.87 $6.78/M	$15.18 $6.10/M	$14.42 $5.79/M

Direct Receipt 2024

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
				Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Length	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
2.00" x	Cont.	800420-314	328'	12	17 lbs.	$7.86 N/A	$6.68 N/A	$6.01 N/A	$5.41 N/A	$5.14 N/A
4.00" x	Cont.	800440-314	328'	12	19 lbs.	$10.26 N/A	$8.72 N/A	$7.84 N/A	$7.06 N/A	$6.70 N/A

Direct Near I.R. 3000 UPS/FEDEX Shipping Label

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
4.00" x	2.25"	95638*[1]	680	12	19 lbs.	$20.35 $29.93/M	$17.29 $25.43/M	$15.56 $22.88/M	$14.00 $20.60/M	$13.30 $19.56/M
4.00" x	6.00"	95639*[1]	260	12	19 lbs.	$20.35 $78.27/M	$17.29 $66.50/M	$15.56 $59.85/M	$14.00 $53.87/M	$13.30 $51.15/M
4.00" x	8.00"	95640*[1]	200	12	19 lbs.	$20.35 $101.75/M	$17.29 $86.45/M	$15.56 $77.81/M	$14.00 $70.02/M	$13.30 $66.50/M

*[1] Perforation between labels

Z-Direct Linerless*

The inner diameter of these rolls is 1.0" and the outer diameter is 5.0".

Size						Rolls				
						1-7	8-23	24-95	96-239	240+
			Labels/	Rolls/	Weight/	Price/Roll	Price/Roll	Price/Roll	Price/Roll	Price/Roll
Width	Length	Part #	Roll	Carton	Carton	Price/M	Price/M	Price/M	Price/M	Price/M
3.00" x	370'	800580-300	Cont.	6	9 lbs.	$32.10 N/A	$27.27 N/A	$24.55 N/A	$22.09 N/A	$20.98 N/A
4.00" x	370'	800580-400	Cont.	6	9 lbs.	$42.62 N/A	$36.21 N/A	$32.59 N/A	$29.33 N/A	$27.85 N/A

*Printer must be configured with the linerless platen kits are available.

Trans Matte 2000

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size			Part #	Labels/ Roll	Rolls/ Carton	Weight/ Carton	Rolls 1-7 Price/Roll Price/M	8-23 Price/Roll Price/M	24-95 Price/Roll Price/M	96-239 Price/Roll Price/M	240+ Price/Roll Price/M
Width		Length									
1.20"	x	0.85"	800212-085*	1,500	12	16 lbs.	$3.45 $2.30/M	$2.93 $1.96/M	$2.64 $1.76/M	$2.38 $1.58/M	$2.26 $1.50/M
1.25"	x	1.00"	800212-105*	1,380	12	16 lbs.	$3.69 $2.67/M	$3.13 $2.27/M	$2.82 $2.04/M	$2.54 $1.84/M	$2.41 $1.75/M
2.25"	x	0.75"	800222-075*	1,780	12	17 lbs.	$6.03 $3.39/M	$5.13 $2.88/M	$4.61 $2.59/M	$4.15 $2.33/M	$3.94 $2.21/M
2.25"	x	1.25"	800222-125*	1,135	12	17 lbs.	$5.66 $4.99/M	$4.81 $4.24/M	$4.33 $3.82/M	$3.90 $3.44/M	$3.70 $3.26/M
2.25"	x	2.00"	800222-205*	735	12	17 lbs.	$6.03 $8.21/M	$5.13 $6.97/M	$4.61 $6.28/M	$4.15 $5.65/M	$3.94 $5.36/M
2.25"	x	3.00"	800222-305*	500	12	17 lbs.	$6.03 $12.06/M	$5.13 $10.25/M	$4.61 $9.23/M	$4.15 $8.30/M	$3.94 $7.89/M
2.25"	x	4.00"	800222-405*	380	12	17 lbs.	$6.03 $15.87/M	$5.13 $13.49/M	$4.61 $12.14/M	$4.15 $10.92/M	$3.94 $10.38/M
3.00"	x	1.00	800230-105*	1,380	12	18 lbs.	$7.54 $5.46/M	$6.41 $4.64/M	$5.77 $4.18/M	$5.19 $3.76/M	$4.93 $3.57/M
3.00"	x	2.00"	800230-205*	735	12	18 lbs.	$7.54 $10.26/M	$6.41 $8.72/M	$5.77 $7.84/M	$5.19 $7.06/M	$4.93 $6.70/M
4.00"	x	1.00"	800240-105*	1,490	12	19 lbs.	$10.42 $6.99/M	$8.86 $5.94/M	$7.97 $5.35/M	$7.17 $4.81/M	$6.81 $4.57/M
4.00"	x	1.50"	800240-155*	960	12	19 lbs.	$9.35 $9.74/M	$7.94 $8.27/M	$7.15 $7.45/M	$6.43 $6.70/M	$6.11 $6.36/M
4.00"	x	2.00"	800240-205*	735	12	19 lbs.	$9.95 $13.54/M	$8.46 $11.51/M	$7.61 $10.36/M	$6.85 $9.32/M	$6.51 $8.85/M
4.00"	x	3.00"	800240-305*	500	12	19 lbs.	$9.35 $18.69/M	$7.94 $15.88/M	$7.15 $14.30/M	$6.43 $12.87/M	$6.11 $12.22/M
4.00"	x	4.00"	800240-405*	377	12	19 lbs.	$9.95 $26.40/M	$8.46 $22.43/M	$7.61 $20.19/M	$6.85 $18.17/M	$6.51 $17.26/M
4.00"	x	5.00"	800240-505*	305	12	19 lbs.	$9.95 $32.63/M	$8.46 $27.73/M	$7.61 $24.95/M	$6.85 $22.46/M	$6.51 $21.33/M
4.00"	x	6.00"	800240-605*	250	12	19 lbs.	$9.35 $37.39/M	$7.94 $31.77/M	$7.15 $28.59/M	$6.43 $25.73/M	$6.11 $24.44/M

* Perf'd Liner

Trans Matte 2000 (2 Across) Price Labels

The inner diameter of these rolls is 1.0" and the outer diameter is 4.0".

Size			Part #	Labels/ Roll	Rolls/ Carton	Weight/ Carton	Rolls 1-7 Price/Roll Price/M	8-23 Price/Roll Price/M	24-95 Price/Roll Price/M	96-239 Price/Roll Price/M	240+ Price/Roll Price/M
Width		Length									
1.18"	x	1.00"	800999-080*	2,620	12	16 lbs.	$9.90 $3.78/M	$8.41 $3.21/M	$7.57 $2.89/M	$6.82 $2.60/M	$6.47 $2.47/M

* Perf'd Liner

Trans Matte 2000

The inner diameter of these rolls is 1.0" and the outer diameter is 5.0".

Size			Part #	Labels/ Roll	Rolls/ Carton	Weight/ Carton	Rolls 1-7 Price/Roll Price/M	8-23 Price/Roll Price/M	24-95 Price/Roll Price/M	96-239 Price/Roll Price/M	240+ Price/Roll Price/M
Width		Length									
2.25"	x	0.75"	800272-075*	3,315	12	18 lbs.	$10.81 $3.26/M	$9.18 $2.77/M	$8.26 $2.49/M	$7.44 $2.24/M	$7.06 $2.13/M
2.25"	x	1.25"	800272-125*	2,100	12	18 lbs.	$10.81 $5.15/M	$9.18 $4.37/M	$8.26 $3.94/M	$7.44 $3.54/M	$7.06 $3.36/M
4.00"	x	1.50"	800274-155*	1,790	12	20 lbs.	$18.73 $10.47/M	$15.92 $8.89/M	$14.33 $8.00/M	$12.89 $7.20/M	$12.24 $6.84/M
4.00"	x	3.00"	800274-305*	930	12	20 lbs.	$18.73 $20.14/M	$15.92 $17.11/M	$14.33 $15.40/M	$12.89 $13.86/M	$12.24 $13.17/M
4.00"	x	4.00"	800274-405*	700	12	20 lbs.	$18.73 $26.76/M	$15.92 $22.74/M	$14.33 $20.46/M	$12.89 $18.42/M	$12.24 $17.49/M
4.00"	x	5.00"	800274-505*	565	12	20 lbs.	$18.73 $33.16/M	$15.92 $28.17/M	$14.33 $25.35/M	$12.89 $22.82/M	$12.24 $21.67/M
4.00"	x	6.00"	800274-605*	475	12	20 lbs.	$18.73 $39.44/M	$15.92 $33.51/M	$14.33 $30.16/M	$12.89 $27.14/M	$12.24 $25.78/M

* Perf'd Liner

Ribbons for the TLP 2844-Z

5319 Wax Ribbons

	Part #	Width (inches)	Width (mm)	Carton Quantity	Carton Weight	Suggested List Price/Roll 1-47	48-119	120-239	240+
5319	800130-001	1.30"	33mm	12	5 lbs.	$1.88	$1.70	$1.61	$1.53
	800130-002	2.50"	64mm	12	5.5 lbs.	$3.63	$3.27	$3.11	$2.95
	800130-003	3.30"	84mm	12	6 lbs.	$4.78	$4.30	$4.09	$3.88
	800130-004	4.30"	110mm	12	6.5 lbs.	$6.22	$5.60	$5.32	$5.05

3200 Wax/Resin Ribbons

	Part #	Width (inches)	Width (mm)	Carton Quantity	Carton Weight	Suggested List Price/Roll 1-47	48-119	120-239	240+
3200	800130-101	1.30"	33mm	12	5 lbs.	$2.28	$2.05	$1.95	$1.85
	800130-102	2.50"	64mm	12	5.5 lbs.	$4.42	$3.98	$3.78	$3.59
	800130-103	3.30"	84mm	12	6 lbs.	$5.77	$5.20	$4.94	$4.69
	800130-104	4.30"	110mm	12	6.5 lbs.	$7.57	$6.81	$6.48	$6.15

5095 Resin Ribbons

	Part #	Width (inches)	Width (mm)	Carton Quantity	Carton Weight	Suggested List Price/Roll 1-47	48-119	120-239	240+
5095	800130-201	1.30"	33mm	12	5 lbs.	$4.15	$3.73	$3.55	$3.37
	800130-202	2.50"	64mm	12	5.5 lbs.	$8.06	$7.26	$6.90	$6.55
	800130-203	3.30"	84mm	12	6 lbs.	$10.56	$9.51	$9.03	$8.58
	800130-204	4.30"	110mm	12	6.5 lbs.	$13.82	$12.44	$11.83	$11.23

Note: All the above ribbons are 244 feet (74m) in length and have a 0.5" (12.5mm) inner diameter core

2844-Z Pricing (North America)

LP/TLP 2844-Z - Standard Configurations — 203 dpi/ZPLII

All 2844-Z printers include ***4 MB Flash memory*** (2.75 available to user) and ***8MB Image Buffer Memory*** *(4MB available to user)* for printing up to 4" (102mm) by 39" (990mm) labels, basic label design software and Windows Drivers.

Part Number	Print Width	Description	Serial parallel & USB	Head Up Sensor	Voltage	Suggested List Price
284Z-20300-0001	4" / 102mm	**LP 2844-Z** Direct Thermal Desktop Printer	•	•	100-240	$695.00
284Z-10300-0001	4" / 102mm	**TLP 2844-Z** - Thermal Transfer Desktop Printer with 5" Roll Capacity	•	•	100-240	$795.00

Accessories

Part Number	Description	Suggested List Price
77843	Japanese Monotype Mincho™ Smooth Scalable Font (code page 932)*	$50.00
77848	Japanese HGP Gothic B™ Smooth Scalable Font (code page 942)*	$50.00
77844	Korean HY Gothic Hangul™ Smooth Scalable Font (code page 947)*	$50.00
77847	Traditional Chinese Monotype Kai™ Smooth Scalable Font (code page 950)*	$50.00
77846	Simplified Chinese Monotype Sung™ Smooth Scalable Font (GB2312-80)	$50.00
77845	Thai Angsana™ Smooth Scalable Font (code page 847)*	$50.00
77842	Over 20 Smooth Scalable Fonts (code page 850)*	$50.00
77840	Five Asian Bitmap Flash Font Pack (pt. Sizes 6, 12, 18, & 24, code page 850)*	$50.00
46692	External ZebraNet® PrintServer II	$299.00
46530L	ZPL II Programming Guide (bound hard copy)	$25.00
105950-051	Maintenance Manual CD	$175.00
105950-053	ZPL Desktop Accessories CD	$10.00

* Requires Full Flash (8MB) Memory Option (check on availability)

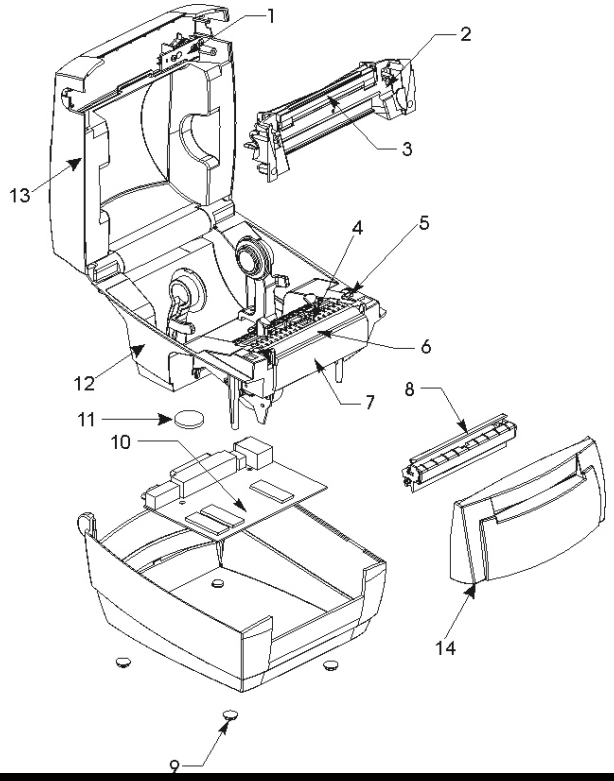
Custom Configurations

2844-Z Series - Custom Configurations ***(choose one item from each section to form a complete part number)***		
Part Number	**Description**	**Suggested List Price**
	Base Printer	
284Z - 2 _ _ _ _ - _ _ _ _	2844-Z with Direct Thermal Print Technology and ZPL Command Language	$695.00
284Z - 1 _ _ _ _ - _ _ _ _	2844-Z with Thermal Transfer Print Technology and ZPL Command Language	$795.00
	Interface	
____ - _ 0 3 _ _ - _ _ _ _	Parallel, RS232 Serial and USB	N/C
____ - _ 0 4 _ _ - _ _ _ _	RS232 Serial, USB and Optional Internal ZebraNet Print Server II	$249.00
	Power	
____ - _ _ _ 0 _ - _ _ _ _	100-240V A.C. USA and European	N/C
____ - _ _ _ 3 _ - _ _ _ _	240V A.C. U.K.	N/C
____ - _ _ _ 4 _ - _ _ _ _	240V A.C. Australian	N/C
	Media Options	
____ - _ _ _ _ 0 - _ _ _ _	No Options (standard)	N/C
____ - _ _ _ _ 1 - _ _ _ _	Dispenser	$35.00
____ - _ _ _ _ 2 - _ _ _ _	Cutter	$300.00
____ - _ _ _ _ 3 - _ _ _ _	Liner-Free (LP Only)	N/C
____ - _ _ _ _ 7 - _ _ _ _	Dispenser with Liner-Free (LP Only)	$35.00
	Printer Font Set	
____ - _ _ _ _ _ - 0 0 _ _	USA and European	N/C
	Memory	
____ - _ _ _ _ _ - _ _ 0 _	4MB Standard Flash, 8MB Standard SDRAM, No Real Time Clock	N/C
____ - _ _ _ _ _ - _ _ 4 _	Full Flash (12 MB*), 8MB Standard SDRAM, Real Time Clock	$349.00
	User Documentation	
____ - _ _ _ _ _ - _ _ _ 1	English	N/C
____ - _ _ _ _ _ - _ _ _ 6	No Documentation	N/C
	Example:	
284Z - 1 0 3 0 1 - 0 0 4 1	2844-Z with Thermal Transfer Print Technology and ZPL Command Language Parallel, RS232 Serial & USB Interface, USA and European Power, Dispenser, USA and European Font Set Full Flash, Standard SDRAM, Real Time Clock, English/European/Latin America Documentation	$795+ $35+ $349 =$1,179

*10.75 MB available to user

Spare Parts

LP 2844-Z

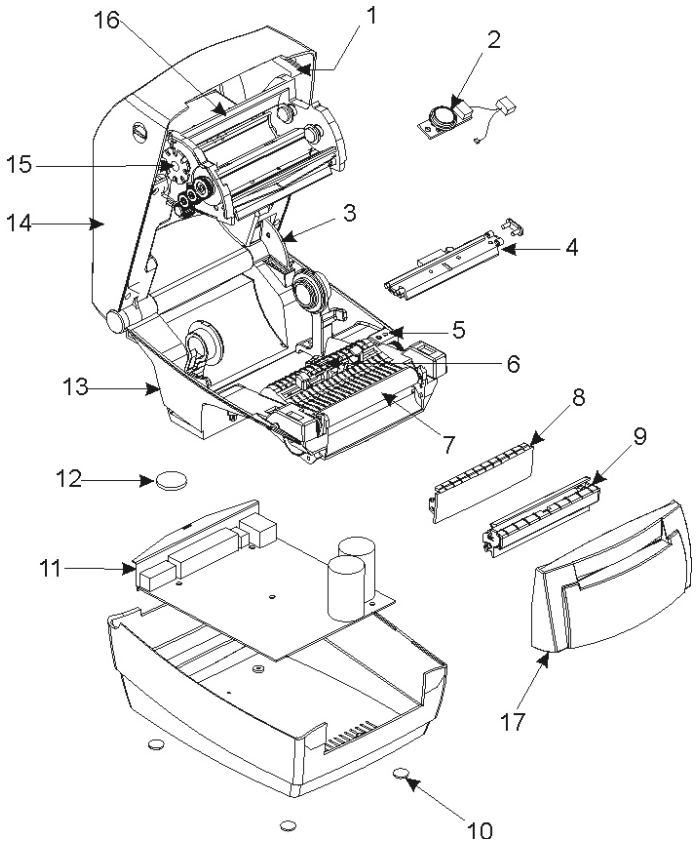


Item #	Description	Part Number	Support Qty.[1]
1	Feed Switch Assy. (set of 3)	105910-004	8
2	Latch Assy. w/o printhead	105910-042	4
3	Print Head Assy. - 4" LP	105910-048	4
	Print Head Cable Set	105915-091	2
4	Gap / Blackline Sensor PCBA (set of 3)	105910-069	4
5	Head Up Sensor	105910-072	4
6	Platen Kit, std. (set of 3)	105910-055	4
	Platen Kit, Liner Free	105910-002	8
7	Front Bezel, Std. Kit (set of 10)	105910-005	4
8	Front Bezel, LP 2844-Z Dispenser	105916-002	4
	Label Taken Sensor (set of 3)	105916-001	8
9	Rubber Foot Kit (set of 24)	105910-007	4
10	Main Control PCBA, std. Ser./Par./USB	105916-004	4
	Main Control PCBA, std. Ser./Ethernet Ready/USB	105916-005	4
	Main Contol PCBA, full Ser./Par./USB	105916-006	4
	Main Control PCBA, full Ser./Ethernet Ready/USB	105916-007	4
	Kit, Ethernet IO PCBA with cables	105910-121	4
	Kit, PrintServerII Daughter Board	105910-123	4
	Kit, 2844 Ethernet Back Panel	105910-124	4
11	Battery, 3V Lithium (set of 10)	105950-003	1
12	Bottom Frame Assy.	105910-059	4
13	Upper Cover Assy.	105910-070	4
14	LP 2844 Cutter Replacement Kit	105910-029	1

Notes: 1 - Recommended quantity to support 100 printers.

** Use this sensor on printers with a manufacturer date 7/10/2002 or earlier.

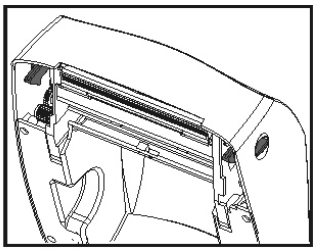
TLP 2844-Z

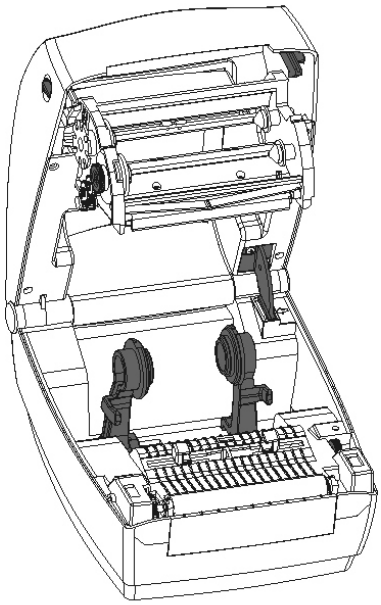


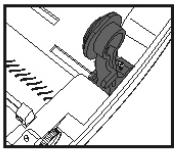
Item #	Description	Part Number	Support Qty.[1]
1	Latch Assy.	105910-052	4
2	Feed Switch/Sensor Assy. (set of 3)	105910-064	8
3	Upper Cover Support (set of 3)	105910-066	4
4	Print Head Assy. - 4" TLP	105910-053	4
	Print Head Cable Assy.	105910-065	4
5	Head Up Sensor	105910-072	4
6	Gap/Blackline Sensor PCBA (set of 3)	105910-054	4
7	Platen Kit, std. (set of 3)	105910-055	4
8	Front Bezel, std. (set of 10)	105910-057	4
9	Front Bezel, TLP 2844-Z Dispenser	105916-003	4
	Label Taken Sensor (set of 3)	105916-001	8
10	Rubber Foot Kit (set of 24)	105910-007	4
11	Main Control PCBA, std. Ser./Par./USB	105916-004	4
	Main Control PCBA, std. Ser./Ethernet Ready/USB	105916-005	4
	Main Contol PCBA, full Ser./Par./USB	105916-006	4
	Main Control PCBA, full Ser./Ethernet Ready/USB	105916-007	4
	Kit, Ethernet IO PCBA with cables	105910-121	4
	Kit, PrintServer II Daughter Board	105910-123	4
	Kit, 2844 Ethernet Back Panel	105910-124	4
12	Battery, 3V Lithium (set of 10)	105950-003	1
13	Bottom Frame Assy.	105910-071	4
14	Upper Cover Assy.	105910-060	4
15	Ribbon Out Sensor (set of 3)	105910-067	4
16	Ribbon Carriage w/o print head	105910-061	4
17	TLP 2844 Cutter Replacement Kit	105910-028	1

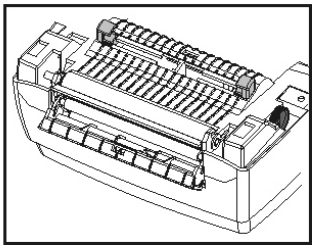
Item #	Description	Part Number
Not	Motor, Assy.	105910-108
Shown	Power Supply, 100V-240V (C7) with US, Euro, U.K. & Australia Cords	105950-043
	Power Cord, U.S. 120V, IEC320C7(set of 5)	105950-038
	Power Cord, Euro 220V, IEC320C7(set of 5)	105950-039
	Power Cord, U.K. 240V, IEC320C7(set of 5)	105950-040
	Power Cord, Australia 240V, IEC320C7(set of 5)	105950-041
	Shipping Pack, 2443, 2844, 2722, 2742, 3742, DA402, T402	105950-050
	CD-ROM, ZPL Desktop Printers Software & Documentation	105950-053
	CD-ROM, Service Documentation	105950-051

Notes: 1 - Recommended quantity to support 100 printers. 2 - A check indicates a change from the last price list.









Questions and Answers

1. What is the difference between a 2844 and a 2844-Z?

The 2844 has a main logic board to support EPL. It cannot support ZPL
The 2844-Z has a main logic board and electronics architecture to support ZPL. It cannot support EPL. The 2844-Z is fully ZPL compatible.

2. Do the 2844 and 2844-Z have the same serial port parameters?

No. While both are RS-232, the serial port pin outs are different. The 2844 uses a straight through serial cable and the 2844-Z uses a null-modem serial cable.

- 2844-Z serial cable part number = 25949M
- 2844 serial cable part number = 300017-006

3. Can I use and 2844 Windows Driver for the 2844-Z?

The previously available Windows Driver will not work for the both 2844 and the 2844-Z. A new version driver will be released with the 2844-Z which will provide Windows support.

4. Will the Zebra Keyboard Display Unit (KDU) work with the 2844-Z?

No, currently the KDU is only compatible with EPL-based printers. However, a custom script with cable adaptor is under development which will enable the KDU to be used with the 2844-Z. Please check the Zebra web site for updates on availability of this product.

5. How does a 2844-Z differ from a Zebra DA/T402?

	DA/T-402	**LP/TLP 2844-Z**
Mechanical	based on Orion & TLP 2642	based on LP/TLP 2844
Electronics	Older, slower microprocessor	New, faster microprocessor *(Xi*III Plus)
Communication	Serial & Parallel	Serial, Parallel & USB opt. Internal ZebraNet PS II
Peel capability	Opt DA, Std T-402	Optional both

6. Will the TLP 2844-Z ribbons work with the T402?

Yes. Ribbons for the TLP 2844-Z can be used on the T402 – note: the ribbon length is different. The TLP 2844-Z has a 1:1 ratio of ribbon to media. *T402 ribbons may not be used with the TLP 2844-Z.*

7. Can I upgrade a 2844 to a 2844-Z by simply installing firmware?

No. The two products have completely different main logic boards. Also, the 2844-Z will not plug directly into an existing 2844 (EPL) application (see Q&A #1).

8. Does the 2844-Z take full advantage of the features and benefits associated with ZebraLink (ZebraNet view and ZebraNet alert)?

Yes. While the EPL-based 2844 has limited status reporting when using the ZebraLink utilities, the ZPL-based 2844-Z is *fully ZebraLink capable* and offers full support of the features and benefits of the ZebraNet view and ZebraNet alert utilities.

9. What ships with a 2844-Z printer?

A CD ROM is shipped with every 2844-Z printer. The CD contains the following material:

- Users manual
- ZPL II programmers manual
- ZebraNet utilities operators manual
- Windows printer drivers
- 2844-Z spare parts list
- 2844-Z media guide
- Printer utility software

The following items are also included in the printer ship kit:

- Cleaning pen
- Sample label roll
- Printer quick-start guide

10. What options and accessories are available on the 2844-Z?

For a complete list of available 2844-Z options and accessories, please consult the 2844-Z price List.

11. When will the 2844-Z be available?

The 2844-Z can be ordered from January 13th, 2003 and will begin shipping in February.